



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Accredited with 'A' Grade by NAAC)

XII CONVOCATION

Convocation Report

By

Prof. Katta Narasimha Reddy

Vice-Chancellor

05January2024

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

REPORT OF THE VICE-CHANCELLOR

Honourable 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. Sreedhara Panicker Somanath**, Chairman, Indian Space Research Organization (ISRO) and Secretary, Department of Space.

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 XII 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 XII Convocation of JNTUH. We are grateful to you, Madam, for gracing this occasion.

It is an honor to welcome **Dr. Sreedhara Panicker Somanath**, Chairman, Indian Space Research Organization (ISRO) and Secretary, Department of Space, Chief Guest, and the Recipient of Honoris Causa. We thank you, Sir, for accepting the Honorary Doctorate from this University and consenting to deliver the XII Convocation Address as the Chief Guest. We are earnestly waiting to listen to your valuable message and I am sure that your address will certainly invigorate the spirit of engineering education in the society and motivate the budding technocrats.

My sincere thanks are due to those who instituted Gold Medals and Scholarships for the rank holders in various academic disciplines. In this Convocation **54** Gold Medals are instituted; Out of which **14** are for the University Colleges, **12** are for the Affiliated Colleges and **28** are Endowment Gold Medals.

I am happy to inform you that 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 firstever Technological University in the country. It has been in the forefront during the last fifty-one years (1972-2023) 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. 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 spans over entire Telangana State.

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 **83**in the Engineering

Stream of NIRF Rankings 2023. The University has **10** University Colleges (with JNTUH UCE Mahabubabad and JNTUH UCE Palair started from the AY 2023-24) and **1** Academic Unit in addition to **14** Administrative Units and **5** Centres of excellence. JNTUH University College of Engineering Jagtial was granted Autonomous Status by University Grants Commission in the month of June 2023.

The University Engineering/Pharmacy Colleges of JNTUH are offering B.Tech. in **13** branches, B.Pharmacy, BBA (DA), BBA (Regular), BBA (Dual Degree), M.Tech. in **31** specializations, 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 **34** 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 **216** Affiliated Colleges (**140** Engineering; **71** Pharmacy; and **5** stand-alone MCA/MBA) spread over 33 Districts of Telangana State. The University offers B.Tech. in **24** branches. 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.

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.	Sri B. Venkatesham, IAS. Principal Secretary to Government and Commissioner of Technical Education Higher Education Department, Telangana State	Member
3.	Sri K. Ramakrishna Rao, IAS. Special Chief Secretary to Government, Finance and Planning (IF) Department, Telangana State	Member
4.	Dr. A. Govardhan Senior Professor of CSE & Rector, JNTUH, Hyderabad	Member
5.	Dr. S. Tara Kalyani Senior Professor of EEE & Director, UIIC JNTUH, Hyderabad	Member
6.	Dr. T. Vijaya Lakshmi Associate Professor & BoS Chairperson Centre for Environment, JNTUH UCEST Hyderabad	Member
7.	Dr. C. D. Naidu Principal VNRVJJET, Pragathi Nagar, Nizampet, Hyderabad	Member
8.	Sri V. Rajanna Senior Vice-President & Global Head-Technology, TCS 1 SEZ Unit, Synergy Park, Gachibowli, Hyderabad	Member
9.	Sri Shrikant Sinha CEO Telangana Academy for Skill and Knowledge (TASK), S.P. Road, Begumpet, Secunderabad	Member
10.	Sri Arutla Prashanth Chairman Hyderabad Institute of Technology and Management Gowdavalli, Medchal, Medchal-Malkajgiri Dist.	Member
11.	Sri Masood Hussainy Tata Advanced Systems, TSIIC, Aerospace & Precision SEZ, Adibatla, Hyderabad	Member
12.	Dr. G. Vishnu Murthy Professor & Head, Dept. of CSE Dy. Director of Anurag Group of Institutions, Hyderabad	Member
13.	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
1.	Rector	Dr. A. Govardhan	Sr. Prof. of CSE
2.	Registrar	Dr. M. Manzoor Hussain	Sr. Prof. of ME
3.	Director, Academic Affairs	Dr. K.M. Lakshmana Rao	Prof. of Civil Engg.
4.	Director of University Examinations	Dr. K. Venkateswara Rao	Prof. of Nano Technology
5.	Officer on Special Duty to VC	Dr. B. Balu Naik	Sr. Prof. of ME
6.	Director, Affiliations and Academic Audit	Dr. D. Srinivasa Rao	Sr. Prof. of ECE
7.	Director, R&D Cell	Dr. K. Vijaya Kumar Reddy	Sr. Prof. of ME
8.	Director, UFR	Dr. D. Vasumathi	Prof. of CSE
9.	Director, BICS	Dr. V. Venkateswara Reddy	Prof. of Civil Engg.
10.	Director, Admissions	Dr. G. Venkata Rami Reddy	Prof. of IT
11.	Director, Innovative Learning and Teaching	Dr. G. Krishna Mohana Rao	Sr. Prof. of ME
12.	Director, UGC - MMTTC	Dr. G. K. Viswanath	Sr. Prof. of CE
13.	Director, UIIC	Dr. S. Tara Kalyani	Sr. Prof. of EEE
14.	Director, Entrepreneurship, Innovation and Start-Ups	Dr. R. Sridevi	Prof. of CSE
15.	Director, IQAC	Dr. G. K. Viswanath, I/c.	Sr. Prof. of CE
16.	Director, Alumni Affairs	Dr. J. Suresh Kumar	Sr. Prof. of ME
17.	Director, Infrastructure Support and Development	Dr. G. Vijaya Kumari	Sr. Prof. of CSE
18.	Director, UGC Affairs	Dr. A. Jaya Laxmi	Prof. of EEE
19.	Principal, JNTUHUCESTH	Dr. K. Vijaya Kumar Reddy	Sr. Prof. of ME
20.	Principal, UCMH	Dr. Sindhu	Prof. of Mgmt. Studies
21.	Principal, JNTUHUCEJ	Dr. V. Kamakshi Prasad	Sr. Prof. of CSE

22.	Principal, JNTUHUCEM	Dr. Ch. Sridhar Reddy	Prof. of ME
23.	Principal, JNTUHUCES	Dr. G. Narsimha	Prof. of CSE
24.	Principal, JNTUHUCPS	Dr. M. Sunitha Reddy	Prof. of Pharmacy
25.	Principal, JNTUHUCER	Dr. G. N. Srinivas	Sr. Prof. of EEE
26.	Principal, JNTUHUCEW	Dr. M. Indira Rani	Prof. of ME
27.	Principal, JNTUHUCEMB	Dr. A. Balaram Naik	Assoc. Prof. in ME
28.	Principal, JNTUH UCEP	Dr. D. Ramesh	Prof. of CSE

Deputy Directors

S. No.	Posting	Name	Designation
1.	Academic Affairs	Dr. P. Swetha	Prof. of CSE
2.	Affiliations and Academic Audit	Dr. B. Ravindra Reddy	Prof. of Mathematics
3.	R&D Cell	Dr. A. Uma	Assoc. Prof. in BT
4.	BICS	Dr. P. Srilakshmi	Assoc. Prof. in CE
5.	Admissions	Dr. L. Saida	Assoc. Prof. in BT
6.	Innovative Learning and Teaching	Dr. M. Dhanalakshmi	Prof. of IT
7.	UGC-MMTTC	Dr. N. Venkata Ramana	Sr. Prof. of EEE
8.	UIIC	Dr. J. Suresh Kumar	Sr. Prof. of ME
9.	Alumni Affairs	Dr. B. Kranthi Kiran	Prof. of CSE
10.	Infrastructure Support and Development	Dr. G. Praveen Babu	Assoc. Prof. in CSE

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, JNTUHUCMH
3.	Sri V. Madhava Reddy	Joint Registrar, JNTUHUCETH
4.	Smt. J. Sudha Madhuri	Joint Registrar, Academic Affairs

3.0 FINANCIAL ASSISTANCE TO THE UNIVERSITY

- Telangana Government provided grant-in-aid of **Rs.23.64 Lakh** towards salaries during April 2022 to December 2023.
- Various Central level organizations like **UGC/AICTE/DST/DRDO /CSIR/ ISRO** sanctioned **Rs. 13.47 Crores** towards research projects

3.1 Research Projects Sanctioned

New research projects worth more than **Rs. 1.27 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.	ECE	Dr. T. Satya Savithri, Professor	Development of SoC system with vision-based UAV and Remote Mobile Robotic Arm for precision Agriculture	2023-2028	MIETY	85.12
2.	CNST	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	Analysis of Structure-Property Relationship in Ultra-Wide Band Gap Semiconductor Ga ₂ O ₃ for Functional Device Applications	2023-2026	DST-CRG	12.54
3.	CPS	Dr. M. Ajitha, Professor & Head	Formulation, Development and Evaluation of JAK inhibitors as nano/secaffolds for trans dermal drug delivery	2023-2026	DST-SERB	30.00
Total						127.66

3.2 Ongoing Research Projects

Research Projects worth **Rs.12.19 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	Duration	Sanctioned Agency	Total Sanctioned 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.	ECE	Dr. D. Srinivasa Rao, Sr. Professor & Director, DAFA	Improving Crop Productivity by Monitoring Pest, Disease and Meteorological Disaster using IoTs	2021-2023	CSIR - HRDC	24.0

3.		Dr. M. Asha Rani, Senior Professor	Technology Business Incubator	2021-2025	DST	670.00
4.		Dr. K. Anitha Sheela, Professor	Design and implementation of Sign Language Translator (Sign Xter) using Hierarchical LSTMs	2020-2023	AICTE RPS	12.54
5.	CSE	Dr. A. Govardhan, Senior Professor & Rector	Information Security Education and Awareness (ISEA) Phase II	2015-2020	MEITY, Govt. of India	108.00
6.		Prof. Archana Giri, Professor	UGC-BSR Mid-Career Award Grant	2021-2023	UGC	10.00
7.	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
8.	CEN	Dr. Ch. Sasikala, Professor Emeritus	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 the epidemiology and mathematical modelling of the COVID-19 pandemic by proposed with Yuhua Xin as coordinator)	2021-2023	DST (BRICS) Multilateral Project	59.65
9.			Isolation and Polyphasic Characterization, including Genome Studies of Probiotic Bacteria	2022-2023	Vickro Biopharma	27.22
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	2020-2024	DST
11.	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
12.			High sensitive acetone biomarker for the point of care diagnosis of Diabetic mellitus based MXenes/ Metal oxide nanocomposites	2020-2023	DST-SERB	26.15

13.		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	18.60
14.			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
15.			Sophisticated Flexible Supercapacitor for High Energy Storage application based on Nanomaterials	2020-2023	DST-SEED	44.07
16.			Chemical and Electrochemical Synthesis of Metals, Polymers, Metal-Polymer Nanocomposites using Liquid/Liquid electrode (aqu)/electrolyte(org) interfaces their electrochemical applications	2020-2023	DST-(WOS-A)	34.00
17.	CPS	Dr. M. Ajitha, Professor & Principal, JNTUHUCPSS	AITCE- Research Promotion Scheme entitled “Eco-Friendly Green synthesis and development of New HDAC inhibitors as Anti-Cancer agents”	2020-2023	AICTE	15.00
18.	CWR	Dr. M.V.S.S. Giridhar, Professor, Head & BoS Chairman	Advanced Remote Sensing Techniques to study the impact of fluoride on paddy cultivation due to Ground water irrigation	2022-2023	TSCOST	4.00
19.			Constructed Wetland for Treatment of Domestic Sewage	2022-2023	CPHEEO, Govt. of India	3.00
Total						1219.61

4.0 PROGRAMS ACCREDITED BY NATIONAL BOARD OF ACCREDITATION(NBA)

4 UG programs and 13 PG programs offered by JNTUHUCESTH, 3 UG programs offered by JNTUHUCEJ 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 68 affiliated colleges of JNTUH, 70 affiliated colleges are accredited by NAAC and 70 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 Affairs is headed by the Director, assisted by a Deputy Director, Joint Registrar, Assistant Registrar and other Staff. It looks after Academic Affairs 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 UGC, AICTE, PCI and other agencies for recognition of UG and PG programs and projects.

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. Permission to start new Courses/Centres/Units/University Colleges.
- ii. Forwarding the proposals of Affiliated Colleges with recommendations to the UGC for grant of 2(f) & 12(B) Status and Autonomous Status.
- iii. Constitution of Academic Council/Governing Body members to Autonomous Colleges.
- iv. Conduct of Academic Senate meetings.
- v. Participation in NIRF and other rankings

- vi. Preparation of Annual Reports, Convocation Reports, Collection of information from various stakeholders and furnishing the same to UGC, AICTE, TSCHE as and when requested.

5.1.1 Memoranda of Understanding (MOU)

The University has signed a total of **39**MoUs (**11** 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 National level Organizations/Private Organizations:

S. No.	Name of the Organization	Collaborative Activities
1.	Tribal Welfare Department of Telangana (TS), Hyderabad.	To establish a ST Students’ residential accommodation (Men) for Scheduled Tribe men securing admissions in JNTUH.
2.	Tribal Welfare Department of Telangana (TS), Hyderabad.	To establish a ST Students’ residential accommodation (Women) for Scheduled Tribe women securing admissions in JNTUH.
3.	Algorand Foundation Ltd. (“AF”), Hyderabad.	Cooperation in blockchain and Web 3.0 developer training.
4.	Engineering Staff College of India, Hyderabad.	To offer one year Post Graduate Certification in Arbitration Program and Post Graduate Certification in Cyber Security.
5.	New Jersey Institute of Technology (NJIT), New Jersey, USA	To establish institutional collaboration in education and research.
6.	Hyderabad Institute of Technology and Management (HITAM) India, JNTUH, India and The University of Alabama in Huntsville, Alabama	For Academic collaboration, and wishing to develop cooperation in the areas of education and research
7.	Milwaukee School of	To collaborate in various areas, including

	Engineering, USA, (MSOE) JNTUH, India and Hyderabad Institute of Technology and Management (HITAM), India	research collaboration, student and faculty exchanges, twinning program, integrated master's programs, co-teaching, workshop, internship, joint research etc.,
8.	Lawrence Technological University (LTU), USA JNTUH, India and Hyderabad Institute of Technology and Management (HITAM), India	To launch a twinning program for an integrated master's degree in 3+1+1 format wherein the student registered for the program studies for 3 years at HITAM followed by 2 years at LTU
9.	Stevens Institute of Technology, New Jersey, USA.	To develop educational and research cooperation on the basis of equality and reciprocity and to promote relations.

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.	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.
6.	Western Sydney University, Australia.	To explore the feasibility of collaborative activities.

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.
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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
7.	CR Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad.	B.Tech. – Computer Science and Engineering (Data Science) programme.
8.	Indian Institute of Packaging (IIP), Hyderabad.	To offer 2-Year M. S. in Packaging Technology (PT) programme.

5.1.5 MoUs for purpose of Placements, Training Programs & 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.	Environment Protection Training Research Institute (EPTRI), Hyderabad	A joint collaborative program of Education, Research, Training in the field of Environment and allied subjects.
8.	Centre for Materials of Electronics Technology (C-MET), Hyderabad	To promote Academic and Research Co-operation
9.	Commissionerate of Technical & General Education, Government of Telangana, JNTUH and Coursera, Inc	For campus online learning offering courses
10.	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.
11.	Association of Lady	Jointly organize awareness generation events

	Entrepreneurs of India, Hyderabad.	on Entrepreneurship Development and Startup Hackathons, Workshops and Student Startup Training Programs
12.	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.
13.	Aurobindo Pharma Foundation Skill Development Center, Hyderabad.	To provide free training program with stipend to students.
14.	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 RGUKT, Basar and to evolve perspective plans for Internationalization of Higher Education in the state.
15.	Siddhesh Edutech Private Limited (SEPL), Lal Bahadur Shastri Lane, Kolkata.	For offering the Up-skilling Programme on IOT Technologies for the SC & ST Community Students for free of cost
16.	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.

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.

Boards of Studies (BOS) Meetings were conducted to frame the syllabus of newly approved B.Tech. Courses Pharmaceutical Engineering, Biotechnology and Geoinformatics. 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 Affairs 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.P. Bhramara, Professor
4.	Electronics & Comm.Engg.	Dr. T. Satya Savithri, Professor
5.	Computer Science &Engg.	Dr.V. Kamakshi Prasad, Sr. Professor
6.	Mining Engg.	Dr.K. Srinivasa Vadayar, Professor
7.	Chemical Engineering	Director, Academic Affairs
8.	Textile Engineering	Director, Academic Affairs
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 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.

Degrees Awarded

A total of **88,226** degrees (**75,815** Undergraduate, **11,088** Postgraduate, **835** Doctor of Pharmacy, **142** Doctor of Philosophy and **346** other) and **54** Gold Medals are being awarded in this XII Convocation for the academic year 2022-23. The details are as follows:

Honorary Doctorate (Honoris Causa)		01
Ph.D. Degrees		142
M.S. Degree		13
Postgraduate Degrees		11,088
Undergraduate Degrees		75,815
MoU Courses Degrees		332
Pharma.D.		835
Gold Medals		54
For the toppers of University Colleges	14	
Endowment Gold Medals	28	
For the toppers of the Affiliated Colleges	12	

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 Constituent 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.

During every Academic Year, the Directorate of Affiliations & Academic Audit, 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 Directorate of Affiliations & Academic Audit conducts meetings with all the Managements/ Directors / Principals of all colleges affiliated to JNTUH in every academic year.

The following are the prime objectives of Directorate of Affiliations & Academic Audit:

- 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 /Merger of Course(s) / Merger of Colleges / 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.

The following reforms are introduced in Affiliation Process for the year 2023-24:

- Grant of Affiliation for New Engineering and Pharmacy Colleges
- Grant of permission for the Merger of Institutions
- Grant of permission for the Merger of Courses

5.4 Admission of Foreign Students

At present, the University has more than **166** Foreign National students from **25** 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 DIRECTORATE OF ENTREPRENEURSHIP, INNOVATION AND START-UPS

The Directorate of Entrepreneurship, Innovation and Start-Ups (erstwhile JNTUH Innovation 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 Idea Accelerator Program (IAP) 2023

A 6-month Idea Accelerator Program (IAP) 2023 was organized from 21st January to 30th June 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. MucharlaMinish Kumar	JNTUH UCE Jagtial
2.	Text Driven Sentiment Analysis of Product Reviews using ML and NLP Techniques	Mr. P.Krishna Vamsi	JNTUHUCE 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	
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	Institute of
25.	SMUT-Reducing Emissions from Heavy-Duty	Mr. Katkam Akash	

	Vehicles		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. Gurram 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	
38.	True Seed Picker	Mr. Bollojuyathindra	
39.	MPPT Based Hybrid Energy Conversion System	Mr. Ameda Manikanth	KG Reddy College of Engineering and Technology
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	
43.	Forest Protection System Using GPS & GSM	Ms. Dharni Tejaswini	
44.	Plant Disease Detection through ML	Ms. Ch. Shreshta	
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. GaripellySahruthi	
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	Malla Reddy Engineering College for Women
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	
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	Ms. Satyavathi Naidu	Priyadarshini

	Breaking at Distribution Transformers in Remote Areas		institute of science and technology for women
67.	Smart system for negotiable instrument	Ms. Kavya Ammati	
68.	A variable medical watch	Ms. Teja sripakala	
69.	Weed Removing Machines by Remote Operation	Ms. Puli Ushasri	Vidya Jyothi Institute of Technology
70.	AI Assistant	Mr. Nenavath Sunil	
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	
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	

- A One-day 3D Printing Workshop was organized on 3rd April 2023 with funding from AICTE Idea Lab, 35 students participated in this workshop.

- A National Level FDP on “**Blockchain**” was conducted from 3rd - 5th July 2023. 50 faculty members participated in this program.

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.	CE	Dr. G. K. Viswanadh, Sr. Professor of Civil Engineering & Director, MMTTC, JNTUH	Best Teacher Award - 2023 by JNTUH Hyderabad	National	JNTUH	20 th June 2023
2.			Best Presentation Award	International	International Conference on "Architectural, Civil and Environmental Engineering".	11 th -12 th Dec. 2023
3.	CSE	Dr. A.Govardhan, Sr. Professor of CSE and Rector, JNTUH	Best Teacher Award-2023, with a merit certificate in recognition of distinguished contributions as a faculty member, Researcher and Administrator	National	JNTUH	20 th June 2023
4.			20 Most Influential Thought Leaders to Follow Award	National	THE EDUCATION VIEW Magazine	May 2023
5.			Fellow	International	Royal Statistical Society (UK)	May 2023
6.	EEE	Dr. A. Jaya Laxmi, Professor & Director, UGC Affairs	National Award for the Outstanding Academic Teacher	National	Anna University, Chennai	2023
7.			Best Teacher	National	JNTU	2023

			Award-2023, with a merit certificate in recognition of distinguished contribution as a Faculty member, Researcher and Administrator		Hyderabad, Kukatpally	
8.	CEN	Dr. T. Vijaya Lakshmi, Assoc. Prof. and BoS Chairperson	Elected as a fellow of Telangana academy of Science -2022	National	Telangana Academy of Science	April 2023
9.	CNST	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	State Award for Meritorious Teachers	State	Department of Higher Education, Govt. of Telangana	5 th Sept. 2023
10.		Dr. M. Ajitha, Professor & Head	Best Pharmacy Teacher award	State	Telangana State Pharmacy Council, Govt. of Telangana	5 th Sept. 2023
11.	CPS	Dr. M. Sunitha Reddy, Professor & Principal, JNTUHUCPS	Pharmacy Teacher Award	--	Pharmacy Teacher Trust	30 th Sept. 2023

7.1 Prestigious Assignments

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

JNTUHUniversity College of Engineering, Science and Technology, Hyderabad

S.No.	Dept.	Name of the faculty member & Designation	Prestigious Assignment	Received from	Duration
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1.	CE	Dr.B. Dean Kumar, Professor	TSEAMCET 2023 Convenor	TSCHE	2023
2.	EEE	Dr. K. Bhaskar, Professor & Head	TSEAMCET 2023 Coordinator	TSCHE	2023
3.	ME	Dr. K. Vijaya Kumar Reddy, Sr. Professor & Principal, JNTUHUCESTH	TSEAMCET 2023 Co- Convenor	TSCHE	2023
4.		Dr. B. Anjaneya Prasad, Sr. Professor (On lien)	Vice-Chancellor, Dr. YSR Architecture and Fine Arts University	APSCH Govt. of Andhra Pradesh	2023- 2026
5.		Dr. J. Suresh Kumar, Sr. Professor & Director – DUAA	TSPGECET 2023 Co-Convenor	TSCHE	2023
6.	CSE	Dr. A. Govardhan, Sr. Professor and Rector	Member, Program Committee, 12 th International Conference on Advanced Computer Science and Information Technology (ICAIT- 2023)	London, United Kingdom.	29-30 July 2023
7.			Program Committee Member, 9 th International Conference on Networks, Mobile Communications and Telematics (NMOCT- 2023)	Sydney, Australia	21-22 October 2023
8.			Program Committee Member, 2 nd International Conference on Software Engineering Advances and Formal Methods (SOFTFM-2023)	Zurich, Switzerland	18-19 November 2023
9.	ECE	Dr. P. Chandra Shekar Reddy, Sr.Professor	Visited KMIT for evaluating B.Tech Mini Project Viva-Voce as an External Examiner	Keshav Memorial Institute of Technology Hyderabad	09 th Jan. 2023

10.			Visited Madhira Inst. of Tech. and Science, Kodad for evaluating B.Tech Mini Project Viva-Voce as an External Examiner	Madira Institute of Technology and Science	13 th Jan. 2023
11.		Dr. M. Madhavi Latha, Sr.Professor	Visited KG Reddy College of Engg. and Tech. for Research Centre as a Scrutiny Committee Member	KG Reddy College of Engg. and Tech.	28 th February 2023
12.			Visited KLU for Faculty Ratification Interviews by University Constituted Committee as a Subject Expert	Koneru Lakshmaiah Educational Foundation	19 th September 2023
13.			Dr. M. Asha Rani, Sr.Professor	Visited ArunaiEngg. College Chittor as an Expert Team to evaluate UG Engineering Program in Tier - II for NBA Accreditation	Arunai Engineering College
14.		Visited GNITS (for Women) for BoS Syllabus approval for B.Tech 3 rd and 4 th Year R22 Regulations as BoS		GNITS (for Women)	26 th July 2023
15.		Dr. A. Rajani, Professor & Head	Visited Guru Nanak College of Engineering Hyderabad for evaluating B.Tech Mini Project Viva-Voce as an External Examiner	Guru Nanak College of Engineering Hyderabad	12 th Jan. 2023
16.	Maths	Dr. B. Ravindra Reddy, Professor & BoS Chairman, Deputy Director – DAFA	TSPGECET 2023 Convenor	TSCHE	2023

JNTUH University College of Engineering Rajanna Sircilla

S. No.	Dept.	Name of the	Prestigious	Received	Duration
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		faculty member & Designation	Assignment	from	
1.	CSE	Dr. K. Suresh Babu, Professor	Subject Expert for Ratification Interviews	Principal, KL Hyderabad Campus	13 th & 14 th September 2023
2.			Program Committee Member & Reviewer, CVR 2023	3 rd Intl. Conference on Computer Vision and Robotics	24 th & 25 th February 2023
3.			Program Committee Member & Reviewer, 2023 IEEE World Conference on Applied Intelligence and Computing (AIC 2023)	2023 IEEE World Conference on Applied Intelligence and Computing (AIC 2023)	24 th & 25 th July 2023

7.2 Textbooks/Book Chapters Authored by Faculty Members

The members of the faculty of JNTUH authored 6 textbooks/book chapters/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, Sr. Professor and Rector	“Predicting Learning Styles in Personalized e-Learning Platforms”, Book on Artificial Intelligence, Blockchain, Computing and Security, Volume 1, 1 Ed., 2023, DOI: https://doi.org/10.1201/9781003393580 (Author)	CRC Press (Taylor & Frances Group)
2.			Innovations in Computer Science and Engineering - Lecture Notes in Networks and Systems, Volume 565, 2023, ISBN-13: 9789811974540, pp. 1-678 (Editor).	Springer Nature

3.		Dr. R. Sridevi, Professor & Director – DEIS	A Novel Blockchain Framework for Enhancing Online Transactions	Springer, LNEE, volume 1003
4.	EEE	Dr. K. Naga Sujatha, Professor	UHV Gas Insulated Substations- Mitigation of Very Fast Transient Over Voltages (VFTOS), ISBN: 978- 81-960478-9-4	Iterative Internatio nal Publisher

JNTUH University College of Engineering Manthani

1.	EEE	Dr. R. Durga Rao, Associate Professor & Head	Special Electrical Machines /ISBN NO 978-81-964364-0-7, Year of 2023.	Registered under MSME Government of INDIA
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JNTUH University College of Engineering Rajanna Sircilla

1.	CSE	Dr. K. Suresh Babu, Professor	Cyber Security: Principles and Practice, ISBN-978-93-5625- 597-5	Scientific International Publishing House (SIPH), India.
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7.3 Overseas Visits by Faculty Members

The following faculty members have visited different foreign countries on various assignments like attending Conferences, delivering Invited Lectures, and presenting Technical Papers. The details are as follows:

JNTUH University College of Engineering, Science and Technology, Hyderabad

S.No.	Dept./Centre	Name of the Faculty Member & Designation	Purpose of Visit &University/Institute/ Organization	Year of Visit
1.	CE	Dr. G. K. Viswanadh, Sr. Professor of Civil Engg. & Director, UGC- MMTTC	Memorandum of Understanding - Blekinge Institute of Technology, Sweden	2023

2.	EEE	Dr. K. Naga Sujatha, Professor	Paper Presentation, Columbia University, New York, USA	October 2023
3.	ECE	Dr. A. Rajani, Professor & Head	Memorandum of Understanding - Blekinge Institute of Technology, Sweden	2023
4.	CSE	Dr. R. Sridevi, Professor & Director – DEIS	Memorandum of Understanding - Blekinge Institute of Technology, Sweden	2023
5.	CNST	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	Academic and Research - Nanyang Technological University, Singapore.	2023

7.4 Research and Development (R&D) – Promotion of Research

Jawaharlal Nehru Technological University Hyderabad (JNTUH) is focusing on research programmes on need-based technology and solutions for societal problems. Accordingly, an independent Research and Development Cell was established in the year 2005 to promote and monitor the research programmes offered in the University. The R&D Cell administers Ph.D. programme in external and full- time modes. Research and Development Cell coordinates with the Directorate of Admissions for selection and admission of research scholars, and interacts with University Examinations for evaluation of Thesis. Further, R&D Cell interacts with the Constituent Units of University for academic activities of research and with Directorate of University Foreign Relations (DUFR) for the admission of foreign national students. R&D Cell conducts Research Review Meetings (RRMs) once in every six months to evaluate and monitor the research work progress of the scholars. R&D Cell conducts viva-voce examinations for the award of the Ph.D. degree in the Faculty of Engineering, Science & Technology, Pharmacy, Management, Humanities and Social Sciences.

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 to examine the quality of research being carried out by Research Scholars.

Aim of Research Policy:

Research in JNTUH is originated for search of excellence and accuracy of end results. Therefore, research policy provides guidelines on good and ethical practices in the conduct of research to achieve highest standards. The Research policy look ahead to creation of conducive research environment by creating focused research groups on par with international standards. This policy also focuses on utilizing the outcome of the research for benefit of society. JNTUH aims at promotion of research culture in accordance with the academic standards, legal framework, good governance and ethical practices. This policy looks upon to support research work with high standards and provide a strategy on how to achieve research goals.

Promotion of Research: 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 Research Review Meetings (RRMs) once in every six months for reviewing the progress of the research work.

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.

Activities of R&D Cell during March to December 2023:

No. of scholars enrolled in A.Y. 2022-23		No. of scholars enrolled for RRM			No. of scholars attended for colloquium	No. of scholars submitted for Anti Plagiarism Check	No. of scholars submitted Thesis	No. of scholars awarded Ph.D.
Full time	External	July 2023	August 2023	December 2023				
22	183	119	27	90	121	126	104	144

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

The following faculty members were awarded Ph.D. Degrees from January to December 2023:

S. No	Name of the Department	Name of the Faculty Member	Title of Ph.D. Thesis	Month & Year of Award
1.		Dr. I. Lakshmi Manikyamba	Political opinion mining for popularity prediction using machine learning techniques	Jun-23
2.	CSE, JNTUHUCESTH	Dr. K. Neeraja	Hybrid Multiobjective optimal path planning for autonomous robots in static and dynamic environment	Feb-23
3.		Dr. E. Hemalatha	Efficient Non-blocking graph algorithm for static graphs on shared memory architectures	Dec-22

7.6 Research Scholars Supervised by Faculty Members

The following members of the faculty from different University colleges of JNTUH have supervised 56 Research Scholars from March to December 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-MMTTC, JNTUH	02
2.	EEE	Dr. N. Yadaiah, Senior Professor	02

3.		Dr. S. Tara Kalyani, Senior Professor & Director, UIIC	01
4.		Dr. M. Sushama, Professor	02
5.		Dr. A. Jaya Laxmi, Professor & Director, UGC Affairs	04
6.	CES	Dr. M.T. Naik, Professor & Coordinator	01
7.		Dr. P. Chandra Shekar Reddy, Senior Professor	01
8.		Dr. D. Srinivasa Rao, Senior Professor & Director, DAFA	05
9.	ECE	Dr. M. Asha Rani, Senior Professor & Director, JNTUHTBI	03
10.		Dr. K. Anitha Sheela, Professor	01
11.		Dr. A. Rajani, Professor & Head	01
12.		Dr. A. Govardhan, Sr. Professor & Rector	04
13.		Dr. G. Vijaya Kumari, Professor & Director, DISD	01
14.		Dr. B. Padmaja Rani, Professor	02
15.		Dr. R. Sridevi, Professor & Director, DEIS	01
16.		Dr. M. Chandra Mohan, Professor & Head	01
17.		Dr. D. Vasumathi, Professor & Director, UFR	03
18.		Dr.K.P. Supreethi, Professor & Addl. Controller of Examinations	01
19.	CSE	Dr. M. Nagaratna, Professor & Addl. Controller of Examinations	01
20.		Dr. P. Sammual, Professor & Deputy Warden, ISH	01
21.		Dr. K. Shahu Chatrapati, Professor & Addl. Controller of Examinations	02
22.		Dr. J. Ujwala Rekha, Professor & Addl. Controller of Examinations	01
23.		Dr. B. Kranthi Kiran, Professor & Deputy Director, DUAA	02
24.	Mett.	Dr. R. Markandeya, Senior Professor (Retd.)	01
25.	Maths	Dr. B. Ravindra Reddy, Professor, BoS Chairman & Deputy Director, DAFA	01
26.		Dr. V. Srinivasa Kumar, Assistant Professor	01
27.	CCST	Prof. A. Jaya Shree, Senior Professor (Retd.)	03
28.	CEN	Dr. M. Anji Reddy, Senior Professor (Retd.)	01
29.		Dr. M. Ajitha, Professor & Head	03
30.	CPS	Dr. M. Sunitha Reddy, Professor & Principal, JNTUHUCPS	01

JNTUHUniversity College of Engineering Jagtial

1.	CSE	Dr. S. Viswanadha Raju, Senior Professor	01
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JNTUH University College of Engineering Rajanna Sircilla

1.	CSE	Dr. K. Suresh Babu, Professor	01
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7.7 Patents/Copyrights Filed/Awarded

Faculty members of JNTUH were granted 6 patents, with 2 more patents published. 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.	ECE	Dr. T. Satya Savithri, Professor & BOS Chairperson	VLSI Architecture for Robot Navigation in Semi-Structured Indoor Environment, 480954	Awarded, 12 th December 2023	Indian Patent Office
2.	CCST	Dr.A. Jaya Shree, Senior Professor (Retd.)	Synthesis of β -Trimethoxysilyl Nitriles by regioselective ring opening of Epoxides 202341000000	Published, 2023	Indian Patent Office
3.	CEN	Dr. V. Himabindu, Professor & Head	“Method of Enhancing Biohydrogen Production from Distillery Spent Wash” 420330.	Awarded, 02 nd March 2023	Indian Patent Office
4.	CNST	Dr. K. Venkateswara Rao, Professor & Director, DUEX	Method Of Synthesizing Linixcu0.5-Xmn1.5O4 Nanomaterial Using Microwave-Assisted Sol-Gel Technique for Lithium Ion Battery Cathode	Awarded, 31 st March 2023	Indian Patent Office
5.		Dr.CH Shilpa Chakra, Assistant Professor & Head	Dextrose based solution combustion synthesis of Nio/ZnO/rGO Nanocomposite for supercapacitor applications	Awarded, 27 th March 2023	Indian Patent Office
6.			High performance supercapacitors from microporus carbon derived from gingelly oil waste	Awarded, 26 th May 2023	Indian Patent Office
7.			A method for preparing copper nanoparticles using sericin and plant leaf extracts	Awarded, 01 st Sept. 2023	Indian Patent Office

JNTUH University College of Engineering Manthani

1.	EEE	Dr. R. Durga Rao, Associate Professor & Head	Solar and Wind Hybrid energy generation apparatus. Patent Design No: 379697-00	Published, 19 th May 2023	Indian Patent Office
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7.8 Research Publications

The faculty members of JNTUH have published **188** 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.	4	-	1	-	05
Electrical & Electronics Engg.	11	-	04	-	15
Centre for Energy Studies	11	-	-	-	11
Electronics & Comn. Engg.	04	-	01	-	05
Computer Science & Engg.	26	-	02	-	28
Mathematics	07	-	-	-	07
Centre for Environment	25	-	-	-	25
Centre for Nanoscience and Technology	11	-	01	-	12
Centre for Pharmaceutical Sciences	04	08	-	-	12

JNTUH University College of Engineering Jagtial

Mechanical Engineering	10	-	-	-	10
Electronics & Comn. Engg.	02	-	--	-	02
Computer Science & Engg.	17	-	--	-	17
Information Technology	05	-	--	-	05
Mathematics	01	-	-	-	01

JNTUH University College of Engineering Manthani

Electrical & Electronics Engg.	15	-	-	-	15
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JNTUH University College of Engineering Rajanna Sircilla

Electronics & Comn. Engg.	5	-	-	-	5
Computer Science & Engg.	9	-	-	-	9

JNTUH University College of Management Hyderabad

UCMH	04	-	-	-	04
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7.9 Conferences/Workshops/Seminars/Refresher Courses/Training Programs Organized

Various departments of the University colleges/units of JNTUH conducted 114 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. G.K. Viswanadh, Professor & Director – UGCMTTC	Invited Talks - 04
EEE	Dr. M. Surya Kalavathi, Professor	Student Technical Symposium - 01
	Dr. K. Naga Sujatha, Professor	National Workshop – 01
	Sri. P. Venkatanarayana, Associate Professor	National Workshop – 01
	Dr. K.H. Phani Sree, Professor	Invited Talk - 01
ECE	Dr. D. Kiran Kumar, Assistant Professor	National Short-Term Course - 01
	Dr. M. Asha Rani, Senior Professor & Director, JNTUH IF-TBI	Expert Lectures delivered- 01
	Dr. T. Satya Savithri, Professor & BoS Chairperson	National Workshop – 01, Expert Lectures delivered- 02
	Dr. K. Anitha Sheela, Professor	Expert Lectures delivered- 02
	Dr. A. Rajani, Professor & Head	National Seminar – 01, Expert Lectures delivered - 01
CSE	Dr. L. Pratap Reddy, Professor Emeritus	Guest Lecture delivered - 02
	Dr. A. Govardhan, Senior Professor & Rector, JNTUH	Key Note Speaker for International Conference / Expert Lectures - 05
	Dr. G. Vijaya Kumari, Senior Professor & Director – DISD	National FDP - 01
CBT	DR. A. Kavitha, Associate Professor	Expert Lectures - 03
	Dr. A. Uma, Associate Professor & BOS Chairperson	National Workshop – 02, National FDP – 01
CCST	Dr. A. Jaya Shree, Senior Professor (Retd.)	National Seminar – 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. Ajitha, Professor & Head	National Workshop - 02

	Dr. M. Sunitha Reddy, Professor & Principal, JNTUHUCPS	Int. Conference – 01, Invited Talks – 05, Technical Symposium – 01, Refresher Course – 02
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JNTUHUniversity College of Engineering Jagtial

ECE	Dr. Dhiraj Sunehra, Professor & Head	Training Program – 01
	Dr. D. Naga Sudha, Associate Professor	Training Program – 01
CSE	Dr. S. Viswanadha Raju, Senior Professor	Invited Talk/ Expert Lectures delivered – 07
	Dr. T. Venugopal, Professor & Vice-Principal	Certificate Course - 01
	Dr. B. Sateesh Kumar, Professor& Head	Refresher Course - 01

JNTUHUniversity 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 Management Hyderabad

UCMH	Dr. Sindhu, Professor & Principal	National Seminars - 05, National Workshop - 10 Resource Person - 03, Expert Lectures delivered- 03
	Mrs. A. Santosh Kumari, Asst. Professor	Faculty Induction Programs- 15

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 studentsby 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.4.43 Crore** from consultancy works during January to December 2023. Further, JNTUH University Colleges generated a revenue of **Rs. 7.06 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.

Job Fairs:

- UIIC, JNTUH organized two MEGA JOB FAIRs on 25-26th February 2023 and 16th December 2023. Around 22,000 offers were rolled out for the candidates attended the job fairs.
- UIIC, JNTUH organized MEGA JOB FAIR on 4th March 2023 at Vijaya Engineering College, Khammam. Around 168 offers were rolled out for the candidates attended the job fair.
- UIIC, JNTUH organized MEGA JOB FAIR on 15th April 2023 at Sana Engineering College, Kodad. Around 132 offers were rolled out for the candidates attended the job fair.

Finishing School Program:

A 6-day training program was organized for final year students of JNTUHUCEJ, UCEM, UCES from 05th to 10th June 2023.

Telangana Got Tech Talent (TGTT) Hackathon on Traffic Control and Management:

The prize distribution of Telangana Got Tech Talent (TGTT) Hackathon is conducted on 19th April 2023. Telangana Got Tech Talent (TGTT) Hackathon on Traffic Control and Management was officially launched by Prof. Katta Narasimha Reddy, Vice Chancellor, JNTUH on 31st October 2022.

For this hackathon, a total 589 teams with 2046 students have registered from 90 different colleges across the country. Sri D.V. Srinivasa Rao, Deputy Commissioner of Police, Traffic, Cyberabad, Dr. K. Venkata Ramana, Deputy Transport Commissioner, Nizamabad, Sri B. C. Mouli, CEO, MaqAI, Dr. K. M. Laxman Rao, Senior Professor of Transport Engineering, JNTUHUCEST participated as jury members and evaluated the prototype models presented by the students. BVRIT Hyderabad College of Engineering for Women won first

prize, CMR College of Engineering and Technology won second prize and G. Narayanamma Institute of Technology for women won third prize. All the prize winners were offered with internships in the areas of Machine Learning by Blackbuck Engineers Pvt. Ltd.

Placement Activities:

During this year, about **630** students from all University Colleges of JNTUH have been selected for paid internships and placements in various companies viz., TGPL, Tech Mahindra, V-Connect Tech Systems, Wells Fargo, HSBC Technology, Insight Software, etc.

10.0 UGC– HUMAN RESOURCE DEVELOPMENT CENTRE ACTIVITIES

The UGC-Malaviya Mission Teacher training Centre (formerly known as UGC – Human Resource Development Centre), Jawaharlal Nehru Technological University Hyderabad, was established in the year 2000 and sponsored by University Grants Commission, New Delhi. 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. Malaviya Mission - Teacher Training Programme (MM-TTP) was launched on 5th September 2023 by the UGC, New Delhi, Govt. of India. The UGC has identified the HRDC, JNTUH as one of the Malaviya Mission Teacher Training Centre (MMTTC). The Mission envisages capacity building training for the faculty and staff across higher educational institutions, in the light of NEP-2020.

The UGC-HRDC, JNTUH organized 4 Faculty Induction Programmes, 6 Refresher Courses, 3 Short Term Courses, 1 Workshop, 5 Webinars and 3 Malaviya Mission Teacher Training Programmes on “NEP Orientation & Sensitization Programmes” a total of 22 Courses and trained total number of 2342 teacher participants, during the period from January to December 2023.

National Level Courses organized by UGC-MMTTC from January to December 2023:

S. No.	Name of the Faculty & Designation	Nature of the Event	Title of the Event	Date(s) & Venue	No. of Participants
1.	Dr.G.K. Viswanadh, Sr.	Faculty Induction	Faculty Induction Programme -12	23-01-2023 to 23-02-2023	38

2.	Professor of Civil Engg. & Director, UGC-HRDC, JNTUH	Programme	Faculty Induction Programme -13	19-06-2023 to 21-07-2023	45
3.			Faculty Induction Programme -14	07-08-2023 to 08-09-2023	28
4.			Faculty Induction Programme -15	06-11-2023 to 07-12-2023	23
5.		Short Term Course	MOOCs, e-Content Development and Online Pedagogy	16-10-2023 to 21-10-2023	32
6.		Workshop	Principals Meet on the Theme "Educational Framework for Global Citizenship in Higher/Technical Education"	01-07-2023	119
7.		Webinar	NEP-2020 Implementation Plan: Integrated Higher Education System	13-03-2023	305
8.			NEP-2020 Implementation Plan: Innovation and Rankings	20-03-2023	284
9.		Dr.G.K. Viswanadh, Sr. Professor of Civil Engg. & Director, UGC-HRDC, JNTUH	Webinar	NEP-2020 Implementation Plan: Multiple Entry and Exit System	27-07-2023
10.	NEP-2020 Implementation Plan: Technology Use and Integration			31-07-2023	233
11.	NEP-2020 Implementation Plan: Changing Role of Teachers			28-08-2023	311
12.	Short Term Course		Research Methodology	11-09-2023 to 16-09-2023	49

13.			NEP-2020 Orientation & Sensitization Programme-1	01-11-2023 to 15-11-2023	46
14.		Malaviya Mission Teacher Training Programme	NEP-2020 Orientation & Sensitization Programme-2	16-11-2023 to 30-11-2023	48
15.			NEP-2020 Orientation & Sensitization Programme-3	16-12-2023 to 30-12-2023	84
16.			Refresher Course	Drug Discovery and Novel Drug Development - Analytical Interpretation of Research Data	13-02-2023 to 27-02-2023
17.	Dr. M. Sunitha Reddy, Professor of Pharmacy & Principal, JNTUHUCPS	Refresher Course	Drug Discovery and Formulation Development - Interpretation of Analytical Data	10-07-2023 to 24-07-2023	43
18.		Short Term Course	Synthesis, Evaluation and Applications of Nanoparticles for enhancement of Bioavailability	11-09-2023 to 16-09-2023	61
19.	Dr. B.V. Ram Naresh Yadav, Professor, Dept. of CSE, JNTUHUCES, Sultanpur	Refresher Course	Artificial Intelligence	10-07-2023 to 24-07-2023	75
20.		Refresher Course	Internet of Things	07-08-2023 to 22-08-2023	67
21.	Dr.NVSN Lakshmi, Assoc. Professor, Dept. of H&SS, JNTUHUCESTH	Refresher Course	English Language Teaching	07-08-2023 to 22-08-2023	68

22.	Dr. B. Sateesh Kumar, Professor, Dept. of CSE, JNTUHUCEJ&Dr. V. Uma Rani, Professor, Dept. of IT, JNTUHUCESTH	Refresher Course	Machine Learning and Data Science	11-09-2023 to 25-09-2023	85
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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 Program**sto 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 **150** participants from various streams of Science, Engineering/Technology & Management participated in the programs.

Details of Programs Conducted by ED Cell from January – December 2023

S. No.	Program Name	Chief Sponsor	Date and Venue	Participants
1.	One Day Training Program for students on “Entrepreneurship in Technology- Metaverse”.	ED Cell JNTUH	20.01.2023, JNTUHUCEH, Hyd.	150
Total				150

Details of MSME Projects Completed by ED Cell from January – December 2023

S. No.	Incubator Name	Title of the Project	Approximate cost	Status of the Project
1.	D. Bhagawan	Development of mobile Electrochemical reactor	10 Lakhs	Completed
2.	Malladi Viswanadh	Ergonomically designed backpack to avoid backpain, fatigue and to reduce impact on spine during accidents.	10 Lakhs	Completed

Details of MSME Idea Hackathons Organized by ED Cell from January – December 2023

S. No.	Program Name	No. of Received Ideas	Date and Venue	No. of Short listed Ideas
1.	MSME Idea Hackathon 3.0 (Women)	73	03.09.2023, JNTUHUCEH, Hyd.	24

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 in Progress

S.No.	Name of the Campus	Details of Infrastructure Works	Amount (Rs. in Lakhs)
1.	University Main Campus	Proposal for upgradation of infrastructural facilities and construction of Golden Jubilee building at JNTUH, Kukatpally, Hyderabad.	5000.00
2.		Proposal for construction of Additional floor (second floor) in New Admission Building at JNTUH, Kukatpally, Hyderabad.	440.30
3.	JNTUHU CEM	Construction of additional floor (3 rd) over Girls Hostel and Boys Hostel at JNTUH University College of Engg, Manthani.	2375.00
4.	JNTUHU CEM	Proposed for construction of Works shop sheds (3 Nos), compound wall (length of 442 RMT) and digging of bore wells (2 Nos) along with an underground sump at JNTUH University College of Engineering Wanaparthy.	568.38
TOTAL			8383.68

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.

The 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.

Initiated New UG Programme

As per the industry requirements, the University commenced a new UG Programme **B.Tech CSE (Cyber Security)** with an intake of 60 from the Academic year 2023-24.

Industry Collaborations

- 1) **MOU with Telangana State Forensics Science Laboratory (TSFSL):**TSFSL Staff are the resource persons for programs organized by the CoE in Cyber Security.
- 2) **Working in collaboration with the Central Forensics Science Laboratory (CFSL):** CFSL Staff are the resource persons for programs organized by the CoE in Cyber Security.
- 3) **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 for Pragmatic Approach to Cyber Security, Blockchain Technologies and Introduction to 3D Printing and CAD Modelling courses.
 - Organized programs in collaboration with the C-DAC, Hyderabad.
 - C-DAC Staff are resource persons for programs organized by the CoE in Cyber Security.
- 4) **Working in collaboration with the TCS:**TCS Staff are resource persons for programs organized by the CoE in Cyber Security.

Events Organized

- ISEA Workshop on “**IoT Eco System: Security challenges and opportunities**” in collaboration with C-DAC, Hyderabad & IIT Guwahati on 9th January, 2023 with 250 participants.
- 10-day Online workshop on “**Cyber Forensics**” from 15th to 25th Feb. 2023 with 177 participants.
- 2 weeks Online Training of Trainers Programme on “**Cyber Security Essentials**” in collaboration with C-DAC Hyderabad from 15th to 28th Feb. 2023 with 42 participants.
- 10-day workshop on “**Cyber Security & Forensics**” in collaboration with C-DAC Hyderabad from 22nd May to 01st June 2023 with 228 participants.
- 4-Weeks Online Internship Programme on “**Cyber Security & Forensics**” in association with C-DAC, Hyderabad from 28th August to 23rd September 2023 with 50 shortlisted participants.
- Awareness Program on “**Narcotic Drugs & Adverse Effects**” on 3rd June 2023 with 1100 participants.
- 5-Day Online workshop on “**Blockchain Technology**” from 18th to 22nd December 2023 with 138 participants.

14.0 ALUMNI ACTIVITIES

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

The 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.

The Directorate of Alumni Affairs has organised **JNTUH Global Alumni Meet (JGAM)-2023** during 22nd & 23rd December 2023. Around 1500 alumni across the globe has participated. The Chief Guest of the event was Hon'ble Governor Dr.(Smt.) Tamilisai Soundararajan. The Hon'ble Governor has felicitated the Alumni donors and distinguished alumni. Many events like Academic talks by alumni, Industry-Academic conclave, and Panel discussion on Career Advice and Planning, Entrepreneurship Track were organized successfully. Alumni also participated in Cultural, Sports & Recreational Activities.

Alumni Activities conducted by various University Colleges are given below:

Meet the Achiever' Program:

- **SriB. Venkatesham, IAS**, Principal Secretary to Government, Higher Education Department delivered motivational speech and interacted with staff and students on 11th February 2023.
- **Padma Bhushan Dr. K. I. Varaprasad Reddy**, Founder and Chairman of Shantha Biotechnics and **Sri. Nagendra Kumar Dadi, IPS**, Retired IGP have delivered motivational speeches and interacted with staff and students on 4th March 2023.
- **Sri Ramesh Vemuganti**, Past president of Hyderabad Management Association, visiting faculty at Osmania University and quality assurance expert in higher education to five Bangladesh universities has delivered motivational speech and interacted with staff and students on 15th April 2023.
- **Dr. G. Sateesh Reddy**, Scientific Advisor to Rakshamantri, Ministry of Defence, Govt. of India and **Dr. G. L. Samuel**, Professor of Mechanical

Engineering, IIT Madras have delivered motivational speeches and interacted with staff and students on 06th May 2023.

- **Sri Andra Vamsi, IAS**, District Magistrate & Collector Jhansi, UP & **Dr. D. Sree Bhushan Raju**, Professor & Head, Dept of Nephrology, NIMS, Panjaguttahas delivered motivational speech and interacted with staff and students on 04th August 2023.
- **Dr. M. Mahender Reddy, IPS**, Former DGP, Govt. of Telangana & **Dr. Hari Eppanapally**, Chairman & CEO, The CIC Group Inc has delivered motivational speech and interacted with staff and students on 23rd September 2023.

Eminent Alumni Interaction Programs were conducted on 4th December and 16th December 2023. Honourable Vice-Chancellor, Katta Narasimha Reddy Garu, Interacted with EMINENT ALUMNI Members.

JNTUH University College of Engineering, Science and Technology Hyderabad

Events Organized:

- ✓ Alumni Meet with 2001 passed out EEE batch by Sudhir Polarouthu and his classmates on 17th June 2023 at EEE Department, JNTUHUCESTH.
- ✓ Expert Lecture "Dream Merchants of The Indian Nation" by Dr.Inguva Gopinath, Senior Scientist / Engineer (Rtd.) ISRO on 5th Oct. 2023 at EEE Department, JNTUHUCESTH.
- ✓ Exper Lecture "Personality Development and Life Skills - End-to-End Solutions" by Dr. G. Tulasi Ram Das, Professor Emeritus, on 7th Oct. 2023 at EEE Department, JNTUHUCESTH.

JNTUH University College of Management Hyderabad

Events Organized:

- ANUBANDH (Alumni Meet) was organized on 10th June 2023 and around 100 members participated.

15.0 CAMPUS PLACEMENTS

Many students from University Colleges of JNTUH were selected by various companies through campus placements. The companies that offered placements are MathWorks, Oracle, JP Morgan Chase & Co., Darwinbox, Teradata, Gainsight, NCR Corporation, Cisco, Honeywell, HSBC, Verizon and 55 other reputed MNCs and Industries.

The campus placements are very encouraging in all branches of UG, PG and IDP programs. A total of **627** students of JNTUH University Colleges/Units were placed during campus interviews for the academic year 2022-23. Average salary offered was **Rs. 4.50 LPA**, the highest being **Rs.24.25 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.& B.Tech. (IDP)	Civil Engineering	29
	Electrical & Electronics Engineering	61
	Mechanical Engineering	65
	Electronics & Communication Engineering	54
	Computer Science & Engineering	67
	Metallurgical Engineering	32
	Chemical Engineering	26
M.Tech.	Advanced Manufacturing Systems	04
	Computer Science & Engineering	03
	Cyber Forensics & Information Security	03
	Digital Systems and Computer Electronics	02
	Embedded Systems	01
	Energy Systems	15
	Engineering Design	05
	Electrical Power Engineering	03
	Environmental Management	06
	Environmental Geomatics	04
	Geotechnical Engineering	01
	Metallurgy	02
	Power Electronics	03
	Structural Engineering	03

	Systems and Signal Processing	01
M. Pharmacy	Pharmaceutical Analysis	02
	Pharmacognosy	01
	Pharmaceutics	03
MCA	Master of Computer Applications	23
M.Sc.	Applied Mathematics	02

JNTUH University College of Engineering Jagtial

B.Tech.	Mechanical Engineering	14
	Electrical & Electronics Engineering	07
	Electronics & Communication Engineering	08
	Computer Science & Engineering	29
	Information Technology	06

JNTUH University College of Engineering Manthani

B.Tech.	Civil Engineering	06
	Electrical & Electronics Engineering	12
	Mechanical Engineering	05
	Computer Science & Engineering	12
	Mining Engineering	07

JNTUH University College of Engineering Sultanpur

B.Tech.	Civil Engineering	13
	Computer Science & Engineering	30
	Electronics & Communication Engineering	24
	Mechanical Engineering	18

JNTUH University College of Management Hyderabad

MBA	Finance	11
	Marketing	04

16.0 EXTENSION AND OUTREACH PROGRAMMES CONDUCTED IN COLLABORATION WITH INDUSTRY DURING JANUARY to DECEMBER 2023

JNTUHUCESTH

Title of the Activities	Organising unit/ agency/ collaborating agency	Date of Activity	Number of students participated in such activities
Industry Visit, 4MW Solar Plant Visit	JNTUHUCESTH/EEE	2023	300
Industrial Visit, KTPSKothhagudem	JNTUHUCESTH/EEE	2023	24

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

A total of 178 Students got qualified in

the GATE/GPAT/CAT/NET/GRE/TOEFL/IELTS exams.

**JNTUH University College of Engineering, Science and Technology
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S. No.	Name of the Student/ Team	Year of Study	Name of the Prize/ Award/ Medal Received	Awarding Institution/ Organization
1.	Vikshith Bommella	B.Tech. ECE (II/II) IDP	First Prize in Web Designing contest	Chaitanya Bharathi Institute of Technology, Hyderabad
2.	G. Ajay, V. Ashwith, C. Jagdeesh Yadav, V. Naveen, N. Praneeth, S. Nitesh	CNST, JNTUHUCESTH	Cricket League-Runners	UCESTH, JNTUH
3.	EEE 4 th Year Students	B.Tech. EEE (IV/IV)	Departmental Trophy – University Sports during Annual Day Celebrations	UCESTH, JNTUH

JNTUH University College of Engineering Jagtial

1.	Mr. Nalivela Subramanyam	B.Tech EEE (IV/IV)	Best outgoing student of B.Tech. Electrical & Electronics Engineering from JNTUH Constituent colleges.	JNTUH Hyderabad
2.	Ms. Kashetty	B.Tech	Best outgoing student of	JNTUH

	Navaneetha	ME (IV/IV)	B.Tech. Mechanical Engineering from JNTUH Constituent colleges.	Hyderabad
3.	Ms. Syed Aamira Khadri	B.Tech ECE (IV/IV)	Best outgoing student of B.Tech. Electronics & Communication Engineering from JNTUH Constituent colleges.	JNTUH Hyderabad
4.	Ms. Vemula Shivani	B.Tech CSE (IV/IV)	Best outgoing student of B.Tech. Computer Science & Engineering from JNTUH Constituent colleges.	JNTUH Hyderabad

JNTUH University College of Engineering Manthani

1.	B. Durga Prasad	B.Tech EEE (III/III)	Silver Medal, National Kabaddi Championship	National sports federation of India
2.	G. Abhi Chandana	B.Tech EEE (III/III)	Participation, University/National Level Swimming	All India Inter University Games
3.	Puttapaka Suma	B.Tech EEE (IV/IV)	Runner, University Level Sports	Kamala Institute of Technology and Science
4.	Kampelli Abhinash	B.Tech EEE (IV/IV)	Winner, National Level Technical Symposium	IIT (ISM) Dhanbad
5.	Parre Dileep Kumar	B.Tech EEE (IV/IV)	Winner, National Level Technical Symposium	IIT (ISM) Dhanbad
6.	Amirishetty Sricharan	B.Tech EEE (IV/IV)	Winner, National Level Technical Symposium	IIT (ISM) Dhanbad

18.0 STUDENTS TECHNICAL SYMPOSIUMS ORGANIZED BY COLLEGE/DEPARTMENT/CENTRE

**JNTUH University College of Engineering, Science and Technology
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S.No.	Dept.	Name of the Event	Date(s) of Event	No. of Students Participated
1.	CE	STHAPATHYA 2023	26 th & 27 th April 2023	250
2.	ME	CONNAISSANCE 2023	26 th & 27 th April 2023	300

3.	EEE	PRAGNYA 2023	26 th & 27 th April 2023	600
4.	ECE	SPOORTHI 2023	26 th &27 th April 2023	480
5.	CSE	QUEST 2023	26 th & 27 th April 2023	260
6.	Mett.	AYAS 2023	26 th & 27 th April 2023	300
7.	Engg.	SMRUTHI 2023	10 th November 2023	250
8.	CNST	Aavishkaar 2023 Fest	10 th -12 th May 2023	20

JNTUH University College of Engineering Jagtial

1	EEE	EGNIS23	12 th &13 th April, 2023	300
2	ME	ABHIYAN2K23	12 th & 13 th April, 2023	250
3	ECE	EMBLAZON2K23	12 th & 13 th April, 2023	220
4	CSE	CRESCENCE-2K23	12 th & 13 th April, 2023	149
5	IT	CEZAR-2K23	12 th & 13 th April, 2023	300

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.

Awards Received by NSS Cell, JNTUH:

- ❖ **Highest Blood Donations Award** for Blood Donations Camps organized awarded by State Red Cross Society.
- ❖ **NSS National Award** for NSS Regular and Special Camps, National and International NSS Programmes awarded by Govt. of India (National).

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

S. No.	Title of the Activities	Date of Activity	Number of students participated
1	Depute NSS Volunteers for National Youth Festival – 2023 at Hubli, Dharwad	12-16 Jan. 2023	10
2	Depute the NSS Volunteers and PO's for Sri Ramanuja Sahasrabdi, Annual Celebrations	02-12 Feb. 2023	6
3	Depute NSS Volunteers for National Youth Parliament festival - 2023	25-29 Jan. 2023	700
4	Depute the NSS Volunteers for National Integration Camp at JSS Institute of Engineering Dharwad	22-28 Feb. 2023	10
5	Haritha Haram at JNTUH Campus	17 Feb. 2023	275
6	Depute the NSS Volunteers for National Integration Camp at Sri Y.N. College, Narsapur West Godavari Dist., Andhra Pradesh	03-09 March 2023	6
7	Blood Donation Camp (Thalassemia)	12 April 2023	470
8	One Hour Shramdaan for Swachhata	16 April 2023	182
9	Narcotic Drugs Awareness Programme	03 June 2023	1500
11	International Yoga Day Celebrations	21 June 2023	125
12	Meri Mati Mera Desh Programme	03 August 2023	800
13	Mega plantation under (Meri Mati Mera Desh Programme)	09 August 2023	7000
14	NEET Survey	14 Sept. 2023	2000
15	Elections CREA-thon-2023(Election Awareness Competitions)	15 Sept. 2023	200
16	RD Selections (Univ. Level)	05 Oct. 2023	165

NSS Activities of 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.	Tree Planation	JNTUHUCESTH- EEE	2023	100
2.	Blood Donation	JNTUHUCESTH-EEE	2023	50
3.	Cancer Awareness	JNTUHUCESTH-EEE	2023	200
4.	Swachh Bharath	JNTUHUCESTH-EEE	2023	200
5.	Anti-Ragging Rally	JNTUHUCESTH-EEE	2023	120
6.	Gender sensitization	JNTUHUCESTH- HSS	2023	100

JNTUH University College of Engineering Manthani

1.	Blood Donation camp	Red Cross Society	19.04.2023	100
2.	Awareness on Cancer and Seasonal Diseases	NSS Cell, JNTUHUCEM	23.06.2023	100
3.	Awareness on Digital India along with the Cashless Transactions	NSS Cell, JNTUHUCEM	24.06.2023	50
4.	Haritha Haram	NSS Cell, JNTUHUCEM	09.08.2023	100
5.	Awareness Program on Women Empowerment	NSS Cell, JNTUHUCEM	28.08.2023	50
6.	Awareness Program on Plastic Free Village	NSS Cell, JNTUHUCEM	30.08.2023	100
7.	Literacy Drive	NSS Cell, JNTUHUCEM	31.08.2023	50
8.	Voter Enrollment and Awareness on Voting	NSS Cell, JNTUHUCEM	01.09.2023	150
9.	Awareness Program on Effective and Smart Farming	NSS Cell, JNTUHUCEM	02.09.2023	100

JNTUH University College of Engineering Rajanna Sircilla

1.	Campus clean and green	JNTUHUCERNSS Unit-I	13.12.2023	110
2.	NSS Orientation Program-2023	JNTUHUCERNSS Unit-I	04.02.2023	80
3.	National voters Day	JNTUHUCERNSS Unit-I	25.01.2023	120

JNTUH University College of Management Hyderabad

1.	International Yoga Day	Navya Yoga International Yoga Academy & UCMH, JNTUH	21.06.2023	25
2.	Tree Plantation Program	UCMH, JNTUH	2023	30
3.	Voice for Girls	Voice for Girls	2023	22

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:

University Gold Medals for Autonomous Constituent Colleges for 2022-2023:

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 University College of Engineering, Science & Technology Hyderabad.	19011A0111	Ms. Chilumula Charishma D/o. Mr. Chilumula Srinivas	9.34	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
2	Best outgoing student of B.Tech. Electrical & Electronics Engineering from JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0241	Ms. Shaik Suneha D/o. Mr. Shaik Samdani Basha	9.22	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
3	Best outgoing student of B.Tech. Mechanical Engineering from JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0335	Ms. Rekapalli Gowri Prasanna D/o. Mr. Rekapalli Veera Venkata Satya Naga Prasad	9.58	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
4	Best outgoing student of B.Tech. Electronics & Communication Engineering from JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0428	Ms. Mothukuri Shiva Sree Charani D/o. Mr. MothukuriRanadev	9.28	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
5	Best outgoing student of B.Tech. Computer Science & Engineering from JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0530	Ms. Polisetty Bhargavi D/o. Mr. Polisetty Raveendra	9.38	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
6	Best outgoing student of B.Tech. Metallurgical Engineering from JNTUH University College of Engineering,	19011A0617	Ms. Ishwarabhotla Sanjana Sai Venkata Phani D/o. Mr.	8.64	01-JNTUH University College of Engineering, Science

	Science & Technology Hyderabad.		Ishwarabhotla Subramanya Sarma		&Technology Hyderabad.
7	Best outgoing student of B.Tech. Chemical Engineering from JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0828	Ms. Kanchibhotla Sri Valli Lahari Meenakshi D/o. Mr. K. N.Somayajulu	8.77	01-JNTUH University College of Engineering, Science & Technology Hyderabad.

University Gold Medals for Non-Autonomous Constituent Colleges For 2022-2023

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.	19SS1A0142	Ms. Ponnala Chandana D/o. Mr. PonnalaMallaiah	8.35	SS - JNTUH University College of Engineering Sultanpur
2	Best outgoing student of B.Tech. Electrical & Electronics Engineering from JNTUH Constituent colleges.	19JJ1A0240	Mr. Nalivela Subramanyam S/o. Mr. Nalivela Ravi	8.30	JJ - JNTUH University College of Engineering Jagtial
3	Best outgoing student of B.Tech. Mechanical Engineering from JNTUH Constituent colleges.	19SS1A0323	Ms. Kashetty Navaneetha D/o. Mr. Kashetty Naga RAJU	8.11	SS - JNTUH University College of Engineering Sultanpur
4	Best outgoing student of B.Tech. Electronics & Communication Engineering from JNTUH Constituent colleges.	19JJ1A0448	Ms. Syed Aamira Khadri D/o. Mr. Syed Masood Basha Khadri	8.36	JJ - JNTUH University College of Engineering Jagtial
5	Best outgoing student of B.Tech. Computer Science & Engineering from JNTUH Constituent colleges.	19JJ1A0555	Ms. Vemula Shivani D/o. Mr. Vemula Srinivas	8.33	JJ - JNTUH University College of Engineering Jagtial
6	Best outgoing student of B.Tech. Information Technology from JNTUH Constituent colleges.	19JJ1A1248	Ms. Puram Mani Deepthi D/o. Mr. Puram Murali Manohar Rao	8.69	JJ - JNTUH University College of Engineering Jagtial
7	Best outgoing student of B.Tech. Mining Engineering from JNTUH Constituent	19VD1A2508	Mr. Kaluvala Kalyan S/o. Mr. Kaluvala	8.07	VD - JNTUH University College of Engineering

	colleges.		Anjaiah		Manthani
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University Gold Medals for Affiliated Colleges for 2022 - 2023 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.	19AG1A0119	Mr. Makthala Madhan S/o. Mr. Makthala Gangadhar	8.18	AG - ACE Engineering College, Ghatkesar
2	Best outgoing student of B.Tech. Electrical & Electronics Engineering out of all affiliated Colleges.	197Q1A0209	Mr. Kommu Ramesh S/o. Mr. Kommu Mallesh	8.32	7Q - Brilliant Grammar School Educational Society's Group of Institutions- Integrated Campus, Abdullapur
3	Best outgoing student of B.Tech. Mechanical Engineering out of all affiliated Colleges.	19C51A0316	Mr. Narisetti Sai Kumar S/o. Mr. Narisetti Prabhakar	8.27	C5 - Sai Spurthi Institute of Technology, B. Gangaram
4	Best outgoing student of B.Tech. Electronics & Communication Engineering out of all affiliated Colleges.	19261A0444	Ms. Panuganti Susmitha Vani D/o. Mr. Panuganti Mohana Venkata Nancharaiah	8.96	26 - Mahatma Gandhi Institute of Technology, Hyderabad
5	Best outgoing student of B.Tech. Computer Science Engineering out of all affiliated Colleges.	19321A0502	Ms. Panjala Aishwarya D/o. Mr. Panjala Vijay Kumar	8.79	32 - Bhoj Reddy Engineering College for Women, Hyderabad
6	Best outgoing student of B.Tech. Electronics & Instrumentation Engineering out of all affiliated Colleges.	19BD1A1049	Ms. Sanjana Naga Chebiyyam D/o. Mr. C. V. N.Giriprasad	8.30	BD - Keshav Memorial Institute of Technology, Narayanaguda

7	Best outgoing student of B.Tech. Information Technology out of all affiliated Colleges.	19WH1A1204	Ms. Chokkarapu Snigdha D/o. Mr. Chokkarapu Sridhar	8.52	WH - BVRIT Hyderabad College of Engineering for Women, Bachupally
8	Best outgoing student of B.Tech. Mechanical Engineering (Mechatronics) out of all affiliated Colleges.	19261A1423	Mr. Kota Rohith Raj S/o. Mr. Kota Subba Rao	8.14	26 - Mahatma Gandhi Institute of Technology, Hyderabad
9	Best outgoing student of B.Tech. Metallurgical & Materials Engineering out of all affiliated colleges.	19261A1805	Mr. Gabbita Pranav S/o. Mr. G Durga Janaki Ram	8.64	26 - Mahatma Gandhi Institute of Technology, Hyderabad
10	Best outgoing student of B.Tech. Aeronautical Engineering out of all affiliated colleges.	19E31A2126	Ms. NallamTanusree D/o. Mr. Nallam Mahesh	8.06	E3 - Mahaveer Institute of Science & Technology, Bandlaguda Khalsa
11	Best outgoing student of B.Tech. Information Technology & Engineering out of all affiliated colleges.	19Q91A3403	Ms. Arshapally Sahini Reddy D/o. Mr. Arshapally Sai Reddy	8.02	Q9 - Malla Reddy College of Engineering, Dhulapalli
12	Best outgoing student of B.Pharmacy out of all affiliated colleges.	197Z1R0011	Ms. Guthikonda Sneha D/o. Mr. Guthikonda Jeevan	8.78	7Z - Nalla Narasimha Reddy Education Society's Group of Institutions, Korremula

Endowment Gold Medals for 2022 -2023 Batch:

S.No.	Endowment Gold Medal	H.T.NO.	NAME	CGPA	College
1	Late Prof. G. Purushotham memorial Endowment gold medal for best outgoing student who got highest marks	19261A04A9	Mr. Samanthapudi Ananth S/o. Mr. Samanthapudi China	8.90	26 - Mahatma Gandhi Institute of Technology,

	in Mathematics-I in University and affiliated colleges.		Venkama Raju		Hyderabad
2.	Late DVP Narasa Raju memorial Endowment gold medal for best outgoing girl student of B.Tech. (Electronics & Communication Engineering) of JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0428	Ms. Mothukuri Shiva Sree Charani D/o. Mr. MothukuriRanadev	9.28	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
3.	Prof. S.Tiruvengalam Endowment gold medal for B. Tech. (EEE) best outgoing student of JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0241	Ms. Shaik Suneha D/o. Mr. Shaik Samdani Basha	9.22	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
4	Smt. M. Vedavathi gold medal for best outgoing Girl student in B.Tech (Electronics & Communication Engineering) in JNTUH University Colleges.	19011A0428	Ms. Mothukuri Shiva Sree Charani D/o. Mr. MothukuriRanadev	9.28	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
5	Vellanki Rama Rao memorial gold Medal to be Awarded for best outgoing student of B. Tech. (Civil Engineering) in all University colleges of the JNTUH.	19011A0111	Ms. Chilumula Charishma D/o. Mr. Chilumula Srinivas	9.34	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
6	Pisupaati Supriya Desai Gold Medal to be awarded for B.Tech best outgoing student in (Electronics & Communication Engineering) in JNTUHaffiliated Colleges.	19261A0444	Ms. Panuganti Susmitha Vani D/o. Mr. Panuganti Mohana Venkata Nancharaiah	8.96	26 - Mahatma Gandhi Institute of Technology, Hyderabad
7	Dr. Md. Vizarath Rasool Khan endowment gold medal to be awarded for B. Tech (Computer	19321A0502	Ms. Panjala Aishwarya D/o. Mr. Panjala Vijay Kumar	8.79	32 - Bhoj Reddy Engineering College for Women,

	Science Engineering)1st rank in the JNTUH affiliated Colleges.				Hyderabad
8	Shadan Endowment gold medal to be awarded for securing 1 st rank in B.Pharmacy JNTUH affiliated colleges.	197Z1R0011	Ms. Guthikonda Sneha D/o. Mr. Guthikonda Jeevan	8.78	7Z - Nalla Narasimha Reddy Education Society's Group of Institutions, Korremula
9	Sri Sankara Sastry Memorial gold medal for best outgoing MBA regular student in JNTUH Constituent Colleges.	21031E0011	Ms. Chirag Akanksha Goud D/o. Mr. Chirag Mahesh Goud	7.88	03 - JNTUH University College of Management Hyderabad
10	Shashi Gupta S. Varshney gold medal to be awarded to the student who secured highest aggregate marks among the first Divisioners in the first attempt in MBA (full time) and MBA (part time) Examinations conducted by JNTUH.	20032E0013	Ms. Prathyusha Vadlamani D/o. Mr. Ramana V.	8.19	03 - JNTUH University College of Management Hyderabad
11	MC Consulting Engineers gold medal to be awarded for the best outstanding and outgoing student of B.Tech. (Civil Engineering) from JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0111	Ms. Chilumula Charishma D/o. Mr. Chilumula Srinivas	9.34	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
12	MC Consulting Engineers gold medal to be awarded for the best outgoing student of M.Tech. (Structural Engineering) from JNTUH University College of Engineering, Science & Technology Hyderabad.	21011D2019	Ms. Bhagavathula Sindhura D/o. Mr. Bhagavathula Bhaskara Rama Sarma	9.37	01-JNTUH University College of Engineering, Science & Technology Hyderabad.

13	Dr. Andra Naidu Endowment gold medal for B.Pharmacy best outgoing student from University and Affiliated Colleges of JNTUH.	197Z1R0011	Ms. Guthikonda Sneha D/o. Mr. Guthikonda Jeevan	8.78	7Z - Nalla Narasimha Reddy Education Society's Group of Institutions, Korremula
14	Kottapally Venkata Narasayamma Endowment gold medal to the best outgoing part-time MBA student from JNTUH University College of Management, Hyderabad.	20032E0013	Ms. Prathyusha VADLAMANI D/o. Mr. Ramana V.	8.19	03 - JNTUH University College of Management Hyderabad
15	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 University Colleges.	19011A0335	Ms. Rekapalli Gowri Prasanna D/o. Mr. Rekapalli Veera Venkata Satya Naga Prasad	9.58	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
16	Late Dr. Burgula Ramakrishna Rao Endowment gold medal for best outgoing student Who secured Ist Rank in B.Tech (All Branches) in All University & Affiliated Colleges of JNTUH, Kukatpally Hyderabad.	19011A0335	Ms. Rekapalli Gowri Prasanna D/o. Mr. Rekapalli Veera Venkata Satya Naga Prasad	9.58	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
17	Dr. Shahnaz Bathul Endowment gold medal to be awarded for the best outgoing student scoring highest average marks in all Mathematics related subjects(Mathematics-I and Mathematics-II) among all branches of Engg. In B.Tech. course from JNTUH University Colleges.	19011A0226	Mr. Mohammad Nowmaan S/o. Mr. Mohammad Moinoddin	8.44	01-JNTUH University College of Engineering, Science & Technology Hyderabad.

18	Dr. D. Seetha Mahalakshmi Memorial Gold Medal for the Best Outgoing B.Tech. Graduate in the faculty of CSE , JNTUH University College of Engineering, Science & Technology Hyderabad.	19011A0530	Ms. Polisetty Bhargavi D/o. Mr. Polisetty Raveendra	9.38	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
19	Sri Suresh Chappidi Foundation Endowment gold medal for the Best Outgoing student for the topper in B.Tech. Metallurgical Engineering , JNTUH University College of Engineering, Science & Technology Hyderabad	19011A0617	Ms. Ishwarabhotla Sanjana Sai Venkata Phani D/o. Mr. Ishwarabhotla Subramanya Sarma	8.64	01-JNTUH University College of Engineering, Science & Technology Hyderabad.

Endowment Gold Medals for 2020 Admitted PG Courses:

S.No.	Endowment Gold Medal	H.T.NO.	NAME	CGPA	College
1	Sri Sankara Sastry Memorial gold medal for best outgoing MBA regular student in JNTUH University Colleges.	20031E0006	Ms. Bellam Bhargavi D/o. Mr. Bellam Thirupathi	8.25	03 - JNTUH University College of Management, Hyderabad
2	Padmasri Dr.A.V Rama Rao Endowment Gold Medal to be Awarded for best Outgoing student from M.Sc. (Industrial / Organic Chemistry) from JNTUH University College of Engineering, Science & Technology Hyderabad.	20031G0804	Ms. Kamalakar Kavya D/o. Mr. Kamalakar Kiran Kumar	9.44	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
3	Prof. Y.Anjaneyulu Endowment gold medal to be awarded for best outgoing student in M.Tech. (Environmental Management) from JNTUH University	20031D3101	Ms. Sankati Chandini D/o. Mr. SankatiIlamallaiah	9.12	01-JNTUH University College of Engineering, Science & Technology Hyderabad.

	College of Engineering, Science & Technology Hyderabad.				
4	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) from JNTUH University College of Engineering, Science & Technology Hyderabad.	20031G0809	Ms. Karra Sai Bhavani Nagasri Himaja D/o. Mr. Karra Ganesh	9.18	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
5	Shashi Gupta S.Varshney gold medal to be awarded to the student who secured highest aggregate marks among the first Divisioners in the first attempt in MBA (full time) and MBA (part time) Examinations conducted by JNTUH.	20031E0006	Ms. Bellam Bhargavi D/o. Mr. Bellam Thirupathi	8.25	03 - JNTUH University College of Management Hyderabad
6	MC Consulting Engineers gold medal to be awarded for the best outgoing student of M.Tech (Structural Engineering) from JNTUH University College of Engineering, Science & Technology Hyderabad.	20011D2009	Ms. Satyanarayanamurthy Ramyasree D/o. Mr. Kamalnath Satyanarayanamurthy	8.53	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
7	Sudir C Rao MDF gold medal for the overall topper in MCA from JNTUH University College of Engineering, Science & Technology Hyderabad.	20031F0016	Ms. Mukkisa Niharika D/o. Mr. Mukkisa Damodar Reddy	9.28	01-JNTUH University College of Engineering, Science & Technology Hyderabad.
8	Dr.I.V.Muralikrishna endowment gold medal for M.Tech (Spatial Information	20031D3215	Ms. Kammari Udayashree D/o. Mr. K Gopal	8.16	01-JNTUH University College of Engineering,

	<p>Technology) who secures 1st 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.</p>				<p>Science & Technology Hyderabad.</p>
9	<p>RIPE-2012 Endowment gold medal to best outgoing M.Pharmacy student from the center for Pharmaceutical Sciences, JNTUH University College of Engineering, Science & Technology Hyderabad.</p>	20031S0403	<p>Ms. Machunur Nagalaxmi D/o. Mr. Machunur Shivanna</p>	9.93	<p>01-JNTUH University College of Engineering, Science & Technology Hyderabad.</p>

21.0 CONCLUSION

As we come to the close of this momentous occasion, I stand before you with a great joy and a profound sense of accomplishment. Malcolm Forbes said that 'Education's purpose is to replace an empty mind with an open one'. Our graduates, you are the embodiment of the dedication, hard work, and perseverance that define the spirit of JNTUH. In the pursuit of knowledge, you have faced challenges during pandemic situation, overcome obstacles, and demonstrated resilience. Your journey has not only equipped you with an academic dexterity but has also fostered creativity, critical thinking and a thirst for lifelong learning. Today, we celebrate not only the academic achievements of our graduates but also the spirit of their commitment, dedication and passion that has brought them to this significant milestone.

Overall development of the student needs to be a part of the course curriculum. So far our Education System has been focusing on 'what to think', but, now NEP-2020 transforms this idea into 'how to think'. To accomplish this, students should be trained in developing curiosity, creativity, communication skills, critical thinking and collaborative learning. This preparation enables learners understand the concepts judiciously and gain hands-on-experience in real life situations. The education you have received in our university goes beyond the syllabi, it is a holistic preparation for the complexities of the world you are about to enter.

As you step into the world beyond these university walls, equipped with the education and experiences gained here, I encourage you to embrace the challenges that lie ahead. Your time at this university has not only imparted knowledge but has also instilled in you a sense of responsibility and a commitment to making a positive impact on society.

Successful persons are those who accept, adapt and become accustomed to constant changes. Current Education System should help students to reskill and upskill themselves continually as and when it is required. 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.

I am happy to inform you that JNTUH has already taken an initiation to adapt the New Educational Policy in the curriculum of all Academic Programmes both at UG and PG levels in R-22 and R-23 Academic Regulations. Remember, education is a lifelong journey, and your ability to adapt, learn, and innovate will be crucial in the ever-changing landscape of the world. Be courageous in your pursuits, compassionate in your interactions, and continue to foster the values that JNTUH has instilled in you.

As you move forward, do not forget the friendships forged, the lessons learned, and the memories created during your time here. Stay connected with your alma mater, for you are now part of a global network of JNTUH Alumni who are making significant contributions in various fields. Let me express my gratitude to the Faculty, Staff, Parents, Guardians, and Families and Everyone who have played a role in shaping the journey of our graduates.

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. Sreedhara Panicker Somanath** for accepting our invitation to be the Chief Guest of the XII 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.

Congratulations once again to the Graduates, Gold Medalists and Doctorates. You may continue to reach the innovative heights and make a positive difference in the world. As you embark on your next phase of your journey, remember that JNTUH will always be a part of it.

Thank you and best wishes for a bright and successful future.

Jai Hind.

Prof. Katta Narasimha Reddy
Vice-Chancellor, JNTUH.