JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

X CONVOCATION

Convocation Report
By

Prof. Katta Narasimha Reddy
Vice-Chancellor

26 February2022

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

REPORT OF THE VICE-CHANCELLOR

Honorable Governor of Telangana State, Lieutenant Governor of Puducherry and Chancellor of Jawaharlal Nehru Technological University Hyderabad, **Dr. (Smt.) Tamilisai Soundararajan;** the distinguished Chief Guest and Recipient of Honoris Causa**Dr. S. Chandrasekhar**, Secretary, Department of Science & Technology, Government of India, New Delhi.

RespectedMembers of the Executive Council, University Officials, Directors, Principals of Constituent 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 X Convocation of Jawaharlal Nehru Technological UniversityHyderabad.

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

It is an honour to welcome**Dr. S. Chandrasekhar**, Secretary, Department of Science & Technology, Government of India, New Delhi., Chief Guest, and Recipient of Honoris Causa. We thank you, Sir, for accepting the Honoris Causa from this University and consenting to deliver the XConvocation Address as the Chief Guest.

My sincere thanks are due to those who instituted Gold Medals and Scholarships for the rank holders in various academic disciplines. In this Convocation **95**Gold Medals are instituted; for the University Colleges: **32**, Affiliated Colleges: **22** and Endowment Gold Medals: **41**.

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 forty nine years (1972-2021) in providing quality technical education of relevance in the State and celebrating Golden Jubilee Year (2021-2022). In the year 1995 the University has been granted an Affiliating status by the state Government and since then JNT University has become one of the largest affiliating Universities in the state of Andhra Pradesh and in the Country and granting affiliations to private colleges offering Engineering, Pharmacy, MBA and MCA programmes in the Unified State of Andhra Pradesh.

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

On 2ndJune 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 **62**in the Engineering Stream of NIRF Rankings 2021. The University has **6** constituent colleges and **4** academic units in addition to **11** administrative units and **5**Centres of excellence.

The Constituent Engineering/Pharmacy Colleges and Units/Schools of JNTUH are offering B.Tech. in **11**branches(including **2** new branches in AIML and Textile Engg.), B.Pharmacy, M.Tech.in **28** specializations,M.Pharmacy in **4** specializations, M.Sc. in **8** specializations, MBA and MCA, andFive-year Integrated Dual Degree Masters Program in **5**specializations with M.Tech.Additionally, MSand 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 many International and National Organizations/Universities/Institutions.

JNT University Hyderabad accords affiliation to self-supporting colleges. The University offers B.Tech. in **26** branches out of which **8** new branches have been initiated during Academic Year 2020-21 and **4** new branches have been initiated during Academic Year 2021-22 inB.Tech. (Computer Engg.) in Software Engg.; B.Tech. (CSE) in Cyber Security; B.Tech. (CSE) in Artificial Intelligence & Machine Learning; B.Tech. (CSE) in Data Science; B.Tech. (CSE) in Internet of Things; B.Tech. (CSE) in Networks; B.Tech. Computer Science & Business Systems; B.Tech. Computer Science & Information Technology; B.Tech. Computer Science & Design; B.Tech. Artificial Intelligence & Data Science; B.Tech. Artificial Intelligence & Machine Learning; B.Tech. Automation & Robotics.

JNTUH also offers B.Pharmacy;M.Tech. in**48**specializationsincluding**2** new specializations initiated in Academic Year 2020-21;M. Pharmacy in **9**specializations; MCA, MBA,Pharma.D andPharma.D (PB)programs in affiliated colleges. In addition to the Constituent Colleges/Units of the University, JNTUH has **258**Affiliated Colleges. They include **171** Engineering Colleges, **74** Pharmacy Colleges and**13** stand-alone MCA/MBA colleges spread over 33Districts of Telangana State. It has more than **3.00Lakhs** of students on rolls. Thus, JNTUH is a major University providing quality technical education in the State.

Jawaharlal Nehru Technological University, Hyderabad celebrating Golden Jubilee year (2021-2022) from 2 October, 2021 and inaugurated by Hon'ble Governor and Chancellor of the University **Dr. (Smt.) TamilisaiSoundararajan**. In view of Golden Jubilee year, the university programmed immense activities such as:

- To start new UG/PG programs;
- To create infrastructure;
- To create Central facilities for academic research;
- To organize National and International conferences and workshops/ training programs for faculty/staff and students;
- To promote start-up activities;
- To organize endowment lectures;
- To organize programs extending technology to rural villages;
- To organize golden jubilee endowment lectures in all JNTUH affiliated colleges;
- To encourage alumni registration;
- To organize invited talks with industry experts;
- To organize cultural, sports and extracurricular activities.

in addition to regular academic and research activities. All the JNTUH faculty, staff, alumni members and students are vigorously contributing the above programs and university support innovative ideas to further strengthen the university in celebrating golden jubilee year. All your cooperation is highly solicited.

2.0 FINANCIAL ASSISTANCE TO THE UNIVERSITY

- Telangana Government provided grant-in-aid of **Rs.36.57Crores** towards salaries duringApril 2020 to December 2021.
- Various Central level organizations like **UGC/AICTE/DST/DRDO /CSIR/ ISRO** sanctioned **Rs. 1236.87 Lakhs** towards research projects.

World Bank support through TEQIP-III

JNTUH have been identified as an Affiliating Technological University (ATU) under the component of 1.3 of TEQIP- III by NPIU (National Project Implementation Unit) from 2017 to 2020 and was granted an amount of **Rs. 7.00 Crores** to implement TEQIP – III activities. JNTUH College of Engineering Hyderabad (JNTUH CEH), Institute of Science and Technology, JNTUH (IST, JNTUH) were also identified as mentor institutes and was sanctioned an amount of **Rs. 7.00 Crores** eachand **3 Crores** for Centre of Excellence - JNTUH CEH, total amount is **Rs. 24.00 Crores**, for the implementation of TEQIP-III Activities.

2.1 Technical Education Quality Improvement Program (TEQIP-III) at JNTUH:

JNTUH has been identified as Mentor University for mentoring the following Universities through Research activities and Faculty Development Programs:

1) Assam Science & Technology University, Guwahati, Assam,
2) Chhattisgarh Swamy Vivekananda Technical University, Chhattisgarh,
3) Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, Madhya Pradesh,
4) Rajasthan Technical University, Kota, Rajasthan.

Faculty Members have conducted & attended Conferences/Workshops/BoS Meetings under TEQIP-III during academic year 2020-21. The detailsare given below:

1. Dr.G.Yesurathnam, Prof. of EEE, Osmania University attended Online Workshop as resource person in January2021 organized by Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV),Bhopal.

2. Dr.K.Sudhkar Reddy, Prof. of ME, MGIT attended Online Workshop as resource person in January2021 organized by Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV),Bhopal.

3. Dr.K.Ravindra, Principal, Malla Reddy Institute of Technology & Sciences and Dr.K.Sudhakar Reddy, Professor of ME, MGIT acted as resource person for the

OBE online workshop under twinning activity by Assam Science & Technology University on 6th February 2021.

4. Dr.V.Kamakshi Prasad, Professor of CSE, JNTUH CEH and Dr.G.Tulasi Ram Das,Rtd. Professor of EEE, JNTUHCEHacted as resource persons for the joint learning forum on Examination Reforms online workshop under twinning activity by Chhattisgarh Swami Vivekanand Technical University Bhilaifrom 12th-16th Feb. 2021.

5. Dr.K.Ravindra, Principal, Malla Reddy Institute of Technology & Sciences acted as resource person for the OBE online workshop under twinning activity by Rajasthan Technical University Kota workshop in March 2021.

6. Conducted a Two-week Online Training Program on IoT to the faculty and students of affiliated and constituent colleges of JNTUH in September 2020.

7. Conducted a Product Reverse Engineering Workshop, 3 days a week for 2 months for Affiliated & Constituent Colleges students during Nov. 2020 to Feb. 2021.

8. Conducteda series of workshops (6) on "Design Thinking" for Affiliated & Constituent Colleges students from December 2020 to January 2021.

9. Conductedthe Employability Skills Training for affiliated colleges of JNTUH (Aspiring Minds Assessment Pvt. Ltd) on 06th Feb. 2021 through online mode.

10. Organized a three-day FDP on "Mixed Signal VLSI circuit Design" for faculty of affiliated and constituent colleges of JNTUH under Equity Action Plan, TEQIP-III JNTUH at Anurag Group of Institutions, Hyderabad during 25th to 27[th]Jan. 2021.

11. Organized a three-day FDP on "Electric Vehicles Integrated with Renewable Energy Sources" for faculty of affiliated and constituent colleges of JNTUH at CVR College of Engineering in association with Geetanjali College of Engineering and Technology,Hyderabad during 25th to 27[th]Feb. 2021.

12. Dr. V. Venkateshwara Reddy, Professor of CE & Principal, JNTUH CEJ attendedone-week FDP on "E-Content Development, Advanced Teaching Learning and Management Tools" at Goa from 28[th]to 31st January 2021.

13. Dr. N. S. Dileep, Professor of Physical Education attendedone-weekFDP "E-Content Development, Advanced Teaching Learning and Management Tools" at Goa from 28[th]to 31st January 2021.

14. Dr.B.V. Ram Naresh Yadav, Assoc. Professor in CSE, JNTUH CES attendedone-weekFDP on "E-Content Development, Advanced Teaching Learning and Management Tools" at Goa from 28thto 31st Jan. 2021.

15. Organized a two-day FDP on "Cyber Security" for faculty of Affiliated and Constituent colleges of JNTUH under TEQIP-III JNTUH at School of Information Technology, Hyderabad during 29th& 30thJanuary 2021.

16. Conducted a three-day FDPon "Advances in Finite Element Methods" for faculty of Affiliated/Constituent colleges at VJIT, Hyderabad during 18th to 20thFeb. 2021.

17. Conducted a three-day FDP on "Applications of Machine Learning and Data Science in Emerging Areas" for faculty of Affiliated and Constituent colleges of JNTUH at Vidya Jyothi Inst. of Tech., Hyderabad during 18th to 20thFeb. 2021.

18. Dr.B.Padmaja Rani, Professor of CSE & TEQIP-III coordinator conducted an online training programme on "Universities Functionaries on Governance" for the faculty of Mentee Universities (Assam Science & Technology University, Chhattisgarh Swami Vivekananda Technical University, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Rajasthan Technical University) on 30thJan. 2021.

19. Dr.G.K. Viswanadh, Professor of CE& Director UGC-HRDC, JNTUH conducted aone-day workshop on "Role of Technical Institutions to adapt the National Education Policy-2020" on 30th January 2021 through online mode.

20. Dr.G.K. Viswanadh, Professor of CE& Director UGC-HRDC, JNTUH conducted aone-day workshop on "National Institutions Ranking Framework (NIRF) for Higher Education Intuitions"on 06th February 2021 through online mode.

21. Sri T. Venkat Reddy, Assistant Registrar & PA to Vice–Chancellor; Sri G.Bapuji Deputy Registrar, Accounts Section & Nodal officer TEQIP-III; Sri D.Siva Shankar, Superintendent, Accounts Section; Ch. Ravi Kumar, Superintendent, Examination Branch attended the workshop on "Management Capacity Building Training" for Non–Teaching staff from 25th– 28thFebruary 2021 at Port Blair.

22. Sri.A.Chandra Shekar, Assistant Registrar, Academic &Planning,Sri. R.M. Jayababu, Assistant Registrar-Stores, Sri.G. Sai Krishna, Senior Assistant, Establishment Section, Sri.Md. Shammem Pasha, Junior Assistant, attended the Workshop on "Management Capacity Building Training" for Non–Teaching staff from 13th - 16thMarch 2021 at Shimla.

2.2   TEQIP– IIIat JNTUH College of Engineering Hyderabad:

JNTUH College of Engineering Hyderabad was identified as Mentor Institute for mentoring Shri Mata Vaishno Devi University (SMVDU), Katra, J&K and Motihari College of Engineering, Bihar.

JNTUH CEH has conducted the following programs under TEQIP - III:

1. Dr. E. Ramjee, Professor of ME&Coordinator, TEQIP – III, JNTUH CEH conducted Webinar on NEP-2020 on 24th February 2021 at JNTUH CEH.

2. Dr. A. Aruna Kumari, Professor of ME & Additional Controller of Examinations conducted Online Short-Term Course on "Hybrid Vehicle Technology" from 11th to 13th February 2021 at JNTUH CEH.

3. Dr. B. Rama Devi, Professor & Head of Chemistry Department conducted National Conference on "Advances in Chemistry & Chemical Engineering (NCACACE-20)" on 28th and 29th January 2021 at JNTUH CEH.

4. Sri D. Kiran Kumar, Assistant Professor in EEE conducted Two-day Workshop through online mode, entitled "Power Electronics Applications for Electrical Systems (PEAES)" on 28th and 29th December 2020 at JNTUH CEH.

5. Dr. P. Bhramara, Professor of ME& Training & Placement officer, JNTUH CEH conducted Online Workshop on "Flownex for Simulation and Thermal and Process Network using Hands – On" from 16th to 18th September 2020 at JNTUH CEH.

6. Dr. S. Naga Sarada, Professor of ME conducted Workshop on "Heat Transfer Enhancement Techniques" on 28th August 2020 at JNTUH CEH.

7. Dr. E. Ramjee, Professor of ME & coordinator, TEQIP – III, JNTUH CEH conducted Webinar on "Current Approaches and future Prospects on Alternative Energy Productions" from 17th to 19th August 2020 at JNTUH CEH.

8. Dr. P. Bhramara, Professor of ME & Training & Placement officer, JNTUH CEH conducted a Three-day Workshop on "Preparing for UG program Accreditation" from 12th to 14th August 2020 at JNTUH CEH.

9. Dr. P. Bhramara, Professor of ME & Training & Placement officer, JNTUH CEH conducted a Webinar on "Parametric Analysis of Nanofluid Heat Transfer Augmentation" on 25th August 2020 at JNTUH CEH.

10. Dr. P. Bhramara, Professor of ME & Training & Placement officer, JNTUH CEH

organized 2nd International Conference on Environment and Energy (2nd ICEE2020) from 5th to 7th August 2020 at JNTUH CEH.

11. Dr. P. Bhramara, Professor of ME & Training & Placement officer, JNTUH CEH organized a Webinar on "Challenge in Good Learning and Assessment-Post Covid, by Dr. N.C. Shivaprakash, Chairman, BoG on 10th Aug. 2020 at JNTUH CEH.

12. Dr. P. Bhramara, Professor of ME & Training & Placement officer, JNTUH CEH Organized a Three-day Train the Trainer program on "Modern Online Tools and Software for Remote Teaching and e-Content Development" from 4th to 6th July 2020 at JNTUH CEH.

13. Dr. K. Manjula Vani, Professor of CE & Chairperson, BoS organized 2nd National Conference on "Recent Advances in Civil Engineering" on 24th July 2020 at JNTUH CEH.

The following faculty members attended Workshops / Conferences/ Seminars/ Training Programmes under TEQIP-III:

1. Dr. M.T.Naik, Professor of ME& Vice-Principal, JNTUH CEH attended Faculty Development Program from 28th to 30th January 2021 at ESCI, Goa.

2. Dr. B. Anjaneya Prasad, Professor of ME & Chairman BOS attended Faculty Development Program from 28th to 30th January 2021 at ESCI, Goa.

3. Dr. G. Krishna Mohana Rao, Professor of ME attended Faculty Development Program from 28th to 30th January 2021 at ESCI, Goa.

4. Dr. P. Chandrasekhara Reddy, Professor of ECE & Chairman BOS attended Faculty Development Program from 28th to 30th January 2021 at ESCI, Goa.

5. Dr. G. N. Srinivas, Professor of EEE & Principal, JNTUH CES attended National Webinar on "Research Structuring Statistical Insights & Publication Strategies" conducted by National Foundation for Entrepreneurship Development (NFED) on 28th & 29th November 2020.

6. Mrs. E. Hemalatha, Assistant Professor in CSE attended Workshop on "Smart Computing and Informatics (SCI-2020) on 9th & 10th October 2020 at JNTUH CEH.

7. Dr. B. N. Bhandari, Professor of ECE & Director, SCDE attended Online Workshop by NAHRD on "Disciplinary Rules & Procedures" on 29th & 30th October 2020.

8. Dr. P. Bhramara, Professor of ME & Training & Placement officer, JNTUH CEH attended Online workshop on "Introduction to Online Pedagogy" from 17[th]to 30[th]August 2020 at Hyderabad.

9. Dr. M. Padmavathi, Associate Professor in CE & Coordinator, BICS attended Workshop on "Ground Penetrating Radar (GPR)" from April to June 2021 at Aqua Foundation Academy, New Delhi.

10. Dr. P. Srinivasa Rao, Professor of CE attended Online Course on "Corrosion Control in Concrete Structures (4[th]C3S)"from 15th to 17[th]July 2020 at NAHRD.

11. Dr. P. Srinivasa Rao, Professor of CE attended Educational & Training Course on "Corrosion Control of City Gas Distribution" from 23[rd]to 25[th]July 2020 at NACE International Gateway India Section, NAHRD.

12. Dr. A. Jaya Laxmi, Professor of EEE & Head attended National Webinar on "Intellectual Property Rights for Academicians, Startups & Research Scholars" on 15th&16[th]July 2021.

13. Dr. A. Jaya Laxmi, Professor of EEE & Head attended National Webinar on "Advanced Research & Funding Scope in Emerging Areas of Engineering Science and Technology" on 24[th]July 2020, at ESCI, Hyderabad.

14. Dr. A. Jaya Laxmi, Professor of EEE & Head attended Webinar on "Leadership in Higher &Technical Education" at ESCIHyderabad on 30th June 2020.

15. Dr. N. Yadaiah, Professor of EEE attended Online Workshop by NAHRD on "Right to Information Act" on 10[th]June 2020.

Details of Fund Allocation and Expenditure under TEQIP-III

S.No.	Key activities	Allocation of Fund for Activities (Rs. in Lakhs)	Expenditure (Rs. in Lakhs)
1.	Procurement of Goods	465.00	455.70
2.	Academic Processes	435.00	432.71
3.	Incremental Operating Cost	100.00	70.09
Total		**1000.00**	**958.56**

2.3 TEQIP - III at Institute of Science and Technology (IST), JNTUH:

The Institute of Science & Technology, JNTUH has been identified as Mentor Institute for mentoring Dayalbagh Educational Institute, Agra, U.P. under

TEQIP - III. A total of **31** students were provided **Rs. 5.56 Lakhs**financial support under TEQIP – III for their UG/PG Projects.

IST, JNTUH has conducted the following programs under TEQIP - III:

1. Dr. A. Uma, Associate Professor& Chairperson BOS, Centre for Biotechnology conducted National Conference on "Frontier in Biotechnology &Bioengg.", from 16th to 18th July 2020.

2. Dr. V. Hima Bindu, Professor, Centre for Environment conducted National Webinar on "Waste & Energy" from 19th to 21st Sept. 2020.

3. Dr. T. Vijaya Lakshmi, Associate Professor, Head & Chairperson BoS, CEN, IST conducted National Webinar on "Water Resource Management" on 24th Sept. 2020.

4. Dr. M. Anji Reddy, Professor& Chairman, BOS (SIT), Centre for Environment conducted National Webinar on "Environmental Impact Assessment on Tools & Technology" from 22nd to 23rd Sept. 2020.

5. Sri. J. Venkatesh, Associate Professor& Head, Centre for Spatial Information Technology conducted National Webinar on "GIS Applications" on 25th Nov. 2020.

6. Dr. A. Uma, Assoc. Professor& Chairperson BOS, CBT conducted National Workshop on "Basics in Animal Cell Culture" from 18th to 20th March 2021.

The following faculty members attended Workshops / Conferences/ Seminars/ Training Programmes **under TEQIP-III:**

1. Dr. M.V.S.S. Giridhar, Professor, Head & Chairman BoS, CWR, IST attended Online Course on "Exploring Sustainability" from 6th to 8th May 2020.

2. Dr. M.V.S.S. Giridhar, Professor, Head & Chairman BOS, Centre for Water Resources attended Online PDP program on "IT Enabled Applications in Water Supply & Sewerage Projects" from 5th to 7th Oct. 2020.

3. Dr. Ch. Shilpa Chakra, Assistant Professor & Head, Centre for Nano Science & Technology, attended Online Course on "Materials Synthesis & Experimental Techniques-Bulk to Nano" from 1st to 20th Sept. 2020.

4. Dr. A. Uma, Associate Professor & Chairperson BoS, CBT, IST attended Online Workshop on "Research Methodology in Science" from 5th to 10th Oct. 2020.

5. Dr. Ch. Sasikala, Professor of Env. Science & Director, IST attended Online

Workshop on "Surveillance of Huston's Waste Water to Track Community SARS-CoC-2 Information Dynamics" on 25th March 2021.

2.4 Research Projects Sanctioned

New researchprojects worth more than**Rs.8.70Crores**got sanctionedby various central and state level funding agenciesfor various faculty members of constituent colleges/units. The detailsof projects are summarized below:

2.4.1 JNTUH College of Engineering Hyderabad

S. No	Dept.	Principal Investigator(s) & Designation	Details of the Project	Duration	Sanctioned Agency	Total Sanctioned Amount (Rs. in Lakhs)
1.	ME	Dr. G. Krishna Mohana Rao, Professor	Development of Sustainable Machining Technology Using Advanced Coated Tools for Turning of Ti6A14V/ Iron Based Nickel Super Alloy Components	2021-2022	TEQIP-III CEH	8.23
2.		Dr. L. Prathap Reddy, Professor	Analysis & Study of Dynamic Evaluationary Algorithm for optimization problem	2020-2021	Respond ISRO	9.09
3.			Improving Crop Productivity by Monitoring Pest, Disease and Meteorological Disaster using IoTs	2020-2023	CSIR - HRDC	20.0
4.	ECE	Dr. D. Srinivasa Rao, Professor & Director, UAAC	Development of Coal Mine Safety Monitoring and altering system using IOT to mitigate coal mine accidents	2020-2021	TEQIP-III CoE	19.5
5.			Prediction of Gravelly soil induced land slides	2020-2021	TEQIP-III CoE	3.0
6.			Development of Early warning system for the prediction	2020-2023	AICTE	24.33

7.		Dr. M. Asha Rani, Professor	Technology Business Incubator	2020-2025	DST	670.00
					Total	**754.15**

2.4.2 JNTUH College of Engineering Jagtial

1.	Physics	Dr. Suresh Sripada, Assistant professor	The Study of Nano filler effect on Polymer electrolytes and fabrication of gas sensors	2020-2021	TEQIP-III	2.50

2.4.3 Institute of Science & Technology, JNTUH

1.	CEN	Dr. Ch. Sasikala, Professor & Director	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
2.		Dr. D. Bhaga-wan UGC-PDF	Development of mobile electro chemical reactor	2021-2022	MSME	19.80
3.	CNST	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	Chemical and Electrochemical synthesis of metals, polymers, metal-polymer nanocomposites using liquid/liquid	2021-2023	DST-(WOS-A)	34.00
					Total	**113.45**

2.5 Ongoing Research Projects

Research Projects worth**Rs. 6.43**Crores are being carried out by various faculty members of constituent colleges/units. The details are given below:

2.5.1 JNTUH College of Engineering Hyderabad

S. No	Dept.	Principal Investigator(s) & Designation	Details of the Project	Durat ion	Sanctioned Agency	Total Sancti oned

						Amount (Rs. in Lakhs)
1.	CE	Dr. V. Padmavathi, Professor (Mentor)	Study of stability and Settlement of Reinforced Embankment on Soft ground with Stage Construction - Experimental and Numerical Study	2021-2024	Women Scientist Scheme - A(WOS-A)	30.00
2.		Dr. B. Siva Konda Reddy, Assoc. Prof., Co-Principal Investigator	Behaviour of Microstructure of Interfacial Transition Zone of High-Performance Concrete	2019-2022	NPIU	21.33
3.	ME	Dr. A. Aruna Kumari, Prof.& Addl. Controller of Examinations	Solar desalination for nano and micro hierarchical structures	2019-2020	TEQIP-III CEH	2.85
4.	ECE	Dr. M. Madhavi Latha, Professor & Director, Academic & Planning	MIMO Software defined Radio for 4G/5G Realtime Applications	2019-2022	AICTE-RPS	12.39
5.			Design and development of Digital Beamforming System	2019-2021	AICTE - MODROBS	12.50
6.			Design of MIMO Hardware Platform to implement Software Defined Radio	2019-2021	AICTE - RPS	12.50
7.			Implementation of High data rate Communication based on Low Power FFT architecture and Compression Technique	2018-2021	DRDO-RCI	22.19
8.			Design and Implementation of Integrated L and S band Patch Antenna	2018-2020	TEQIP-III, JNTUH CEH	8.00
9.		Dr. K. Anitha Sheela, Professor & Head	Design and implementation of Sign Language Translator (Sign Xter) using Hierarchical LSTMs	2020-2023	AICTE RPS	12.54
10.			Speech Enabled IVR Based on Online Market for	2019-2021	JNTUH TEQIP-III	3.00

			farmers			
11.			Speech Technologies for Humanoids	2019-2021	Respond, ISRO	36.23
12.		Dr. T. Satya Savithri, Professor	Reconfigurable SoC Based Design for High Speed Data Acquisition System	2019-2020	JNTUH TEQIP-III	2.95
13.		Dr. A. Govardhan, Professor & Rector	Information Security Education and Awareness (ISEA) Phase II	2015-2020	MEITY, Govt. of India	108.00
14.	CSE	Dr. G. Madhu, Dr. A. Govardhan &Dr. B. Sunil Srinivas	Automatic Diagnostic Model for Detection of Malaria Parasites from Microscopic Images	2019-2021	JNTUH TEQIP-III	2.98
15.		Dr. R. Sridevi, Professor & Coordinator, CoE for Cyber Security	Evidence Generation by Analyzing and Detecting Session Hijacking Attacks to find the trace of the intruder	2021-2022	CEH TEQIP-III	4.00
					Total	**288.51**

2.5.2 JNTUH College of Engineering Jagtial

1.	ME	Dr. Suresh Arjula, Assistant Professor	Influence of weld profile shape in the forming of Tailor welded blanks	2019-2021	JNTUH TEQIP-III,	3.00

2.5.3 Institute of Science & Technology, JNTUH

1.	CBT	Dr. A. Uma, Associate Professor	Membrane based pilot scale preparation ofsorghum syrup and its evaluation for antidiabetic,anticancerous and antiaging effects	2019-2022	AICTE (RPS)	10.00
2.	CCST	Prof. A. Jaya Shree, Professor & Head	Synthesis, MolecularProperties, Prediction and Biological activity of citrate tagged 3-Oxodiazole derivatives offluorofinalones	2020-2021	TEQIP III	2.0
3.			Process Development of Genetic oncology- Active Pharmaceutical Ingredients	2020-2023	IndustryR &D project	15.0

4.			Studies on glycerol benzoates synthesis	2020-2021	TEQIP III	2.0
5.			Studies on Bio-oil and bio-char Production Pyrolysis of Karanja Biomass	2020-2021	TEQIP III	2.0
6.	CEN	Dr. Ch. Sasikala, Professor & Director	Carbon Sequestration Using Anoxygenic Photoautotrphic Bacteria: Potential Exploitation for Climate Change Mitigation	2019-2021	AICTE	10.00
7.			Studies on Microbial Ecology, Diversity and their Bioprospecting for Environmental Management	2019-2021	AICTE - RPS	10.00
8.			Biodegradation of Pharmaceuticals and Personal Care Products (PPCPs): PPCP degrading bacterial diversity and their potential application in the wastewater treatment	2018-2021	UGC Mid-Career Award Grant	10.00
9.			Bacterial inoculants for solubilization of wheat bran and rice bran.	2021	Envozyme Tech. Ltd., Hyderabad	1.00
10.		Dr. V. Himabindu Professor & Head	Hazardous/ Municipal Solid Waste (MSW) land fill leachate treatment using Advanced Oxidation Process (AOP's) coupled with Electro chemical-biological techniques	2020-2023	DST	59.28
11.	CNST	Dr. K. Venkateswara Rao, Professor & Controller of Exams	Human Exhaled Gases as a Bio Marker	2019-2020	AICTE	25.00
12.			Hybrid Nano-structures based chemo-resistive gas sensing as a biomarker for Human exhaled breath	2020-2023	AICTE RPS	22.26
13.			Modernization and Removal of Obsolescence	2020-2022	AICTE - MODROB	8.00
14.			High sensitive acetone biomarker for the point of care diagnosis of Diabetic mellitus based MXenes/	2020-2023	DST-SERB	26.00

		Metal oxide nanocomposites				
15.	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	A new archetype for development of Flexible Nano-Hybrid Super-capacitor for large scale electric energy storage with high performance	2019-2020	DST SERB Core Funded	41.84	
16.		Sophisticated Flexible Supercapacitor for High Energy Storage application basedonNanomaterials	2020-2022	DST-SEED	44.07	
17.	CPS	Dr. M. Ajitha, Professor & Principal, JNTUH UCPSS	AITCE- Research Promotion Scheme entitled "Eco-Friendly Green synthesis and development of New HDAC inhibitors as Anti-Cancer agents"	2020-2023	AICTE	15.00
18.			Water Quality Assessment in Lake using Spectro-radiometer	2019-2021	TEQIP-III	2.00
19.	CWR	Dr. M. V. S. S. Giridhar, Professor & Head	Domestic Sewage Treatment Through Phytoremediation Using Sub Surface Horizontal Flow Constructed Wetland	2019-2020	Global Foundati on, New Delhi	3.00
20.			Spatiotemporal effects of Urbanization on Surface Water bodies and its impact on Soil and Vegetation Ecosystem	2018-2020	Earth watch Intl. NGO	39.90
					Total	**348.35**

3.0 PROGRAMS ACCREDITED BY NATIONAL BOARD OF ACCREDITATION(NBA)

The programs offered at various Colleges/Units of JNTUH have been accredited by NBA from time to time; the details are given below:

3.1 JNTUH College of Engineering Hyderabad

S. No.	Name of the UG/PG Program	Duration of Accreditation	Current status
1.	B.Tech. Civil Engineering	2019-22	Accredited
2.	B.Tech. Mechanical Engineering	2014-19	Applied for renewal

3.	B.Tech. Electronics &Comn. Engg.	2014-19	Applied for renewal
4.	B.Tech. Electrical and Electronics Engg.	2019-22	Accredited
5.	B.Tech. Computer Science &Engg.	2019-22	Accredited
6.	B.Tech. Metallurgical Engg.	2019-22	Accredited
7.	M.Tech. Advanced Manufacturing Systems	2013-18	Applied for renewal
8.	M.Tech. Computer Science	2014-17	Applied for renewal
9.	M.Tech. Digital Systems and Computer Electronics	2013-16	Applied for renewal
10.	M.Tech. Electrical Power Engineering	2013-16	Applied for renewal
11.	M.Tech. Geotechnical Engineering	2013-18	Applied for renewal
12.	M.Tech. Power Electronics	2013-16	Applied for renewal
13.	M.Tech. Structural Engineering	2013-16	Applied for renewal
14.	M.Tech. Thermal Engineering	2013-16	Applied for renewal
15.	M.Tech. Systems and Signal Processing	2013-19	Applied for renewal

3.2 JNTUH College of Engineering Jagtial

S. No.	Name of the UGProgram	Duration of Accreditation	Current status
1.	B.Tech. Electrical & Electronics Engg.	2019-2022	Accredited
2.	B.Tech. Mechanical Engineering	2019-2022	Accredited
3.	B.Tech. Computer Science &Engg.	2019-2022	Accredited

3.3 Institute of Science and Technology, JNTUH

S.No.	Name of the M.Tech. Program	Duration of Accreditation	Current status
1.	Biotechnology	2018-21	Accredited
2.	Environmental Management	2018-21	Accredited
3.	Environmental Geomatics	2018-21	Accredited
4.	Water and Environmental Technology	2018-21	Accredited

Autonomous Status has been granted to **one** constituent college and **2** constituent units and **43**affiliated colleges of JNTUH, **59**affiliatedcolleges are accredited by **NAAC**and **59**colleges are **NBA**accredited for various courses.

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

4.0 ACADEMIC ACTIVITIES

4.1 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. BoS Meetings were conducted inNovember 2020 to frame syllabus for 6 New UG Courses (B.Tech. (Computer Engg.) in Software Engg.,B.Tech. (CSE) in Cyber Security, B.Tech. (CSE) in AIML,B.Tech. (CSE) in Data Science,B.Tech. (CSE) in IoT,B.Tech. (CSE) in Networks), 2 New PG programs (M.Tech. Artificial Intelligence, M.Tech. Data Science)and 2 Year MCA. BoS meetings were also conducted in 2021 to frame syllabus for B.Tech. ECM, B.Tech. CSBS, B.Tech. CSIT, B.Tech. Honors and Minor programs in emerging multidisciplinary areas such as IoT, AIML, Cyber Security, Data Science and Innovation & Entrepreneurship. 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 competegradually with other accreditations.

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

S.No.	Board	Name of the Chairperson
1.	Civil Engineering	Dr. K. Manjulavani, Professor

2.	Electrical & Electronics Engg.	Dr. M. Sushama, Professor
3.	Mechanical Engineering	Dr. B. Anjaneya Prasad, Professor
4.	Electronics & Comm.Engg.	Dr. P. Chandra Shekar Reddy, Professor
5.	Computer Science &Engg.	Dr.V. Kamakshi Prasad, Professor
6.	Metallurgical& Materials Tech.	Dr. R. Sri Rama Devi, Assoc.Professor
7.	Chemical Engineering	Director, Academic & Planning
8.	Biotechnology	Dr. Archana Giri, Professor
9.	Mathematics	Dr. M.N. Raja Shekar, Professor
10.	Physics	Dr. S. Venkateshwara Rao, Professor
11.	Chemistry	Dr. B. Rama Devi, Professor
12.	English	Dr. N. V. S. N. Lakshmi, Asst. Professor
13.	Management Sciences	Dr. Sindhu, Professor
14.	Pharmacy	Dr.S. Shobha Rani, Associate Professor
15.	Environmental Sciences	Dr. T.Vijaya Lakshmi, AssociateProfessor
16.	Water Resources	Dr. M.V.S.S. Giridhar, Professor
17.	Nano Science and Technology	Dr. Ch. Shilpa Chakra, Asst.Professor
18.	Spatial Information Technology	Dr. M. Anji Reddy, Professor of Env. Science & Technology

4.2   Reforms in Examination System and Evaluation

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

- **Delivery of transcripts in digital copies form to JNTUH graduates in viewof COVID-19 pandemic situation and to avoid delay:**

   The online service for the issue of transcripts and a selected list of certificates   like medium of instruction and migration certificates have been made as an online service since 2017. However, these services were limited to dispatch of hard copy of transcripts. In view of COVID-19 pandemic, issuing digital copy of transcripts service has been made available. This will save delay in receiving the transcripts when compared to conventional mode of issuing the transcripts.

- **Special arrangements during COVID-19 pandemic for conducting semester examinations.**

   Permitted the students to write the semester exams as per their choice of Examination center in view of COVID-19 pandemic situation. This enabled the students to write the exams from an exam center which is closer to their place of residence by avoiding the inconvenience to all the stakeholders.

- **Conduct of UG & PG Exams which were not conducted in their regular schedule due to COVID-19 pandemic situation**

   Conducted all the pending UG & PG Examinations during July/August 2021 which were not conducted in their regular schedule due to COVID-19 pandemic situation and the results have been declared within short duration so that the final year students can have the choice of further studies and job opportunities.

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

   After taking the charge as Vice-Chancellor by Prof. Katta Narasimha Reddy, entire examination process of all the affiliated autonomous colleges is being closely monitored. The entire process of examinations has been streamlined with necessary approvals from time to time.

4.3 Degrees Awarded

A total of **1,19,106**Undergraduate, Postgraduate, Doctor of Pharmacy and Doctor of Philosophy degrees are being awarded in this Convocation for the academic years2019-20 and 2020-21. The details are as follows:

Honorary Doctorate (Honoris Causa)		**01**
Ph.D. Degrees		**271**
M.S.		**01**
Postgraduate Degrees		**12,798**
Undergraduate Degrees		**1,04,875**
MoU Courses Degrees		**383**
Pharma. D.		778
Gold Medals		
For the toppers of University Colleges	**32**	**95**
Endowment Gold Medals	**41**	
For the toppers of the Affiliated Colleges	**22**	

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

4.4 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, which is authenticated by the Director, Academic Audit Cell of the University.

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

The Academic Audit Cell conducts meetings of the Managements/ Directors / Principals of all colleges affiliated to JNTUH before class work begins during every academic year.

The following are the prime objectives of Academic Audit Cell:
- ➤ To review Academic Progress of the previous Academic Year, the Academic Calendar for the forthcoming Academic Year and the University regulations.
- ➤ To take necessary steps to prevent the menace of ragging in the institutions in general, and boys and girls' hostels, in particular.
- ➤ To bring awareness about the need for ratification of Principals/Faculty as per UGC, AICTE & JNTUH norms.

To formulate guidelines for the following while granting permission in Affiliated Colleges:
- ➤ Closure of Course(s) and Institution(s)
- ➤ Establishment of Research Centre
- ➤ Establishmentof New Integrated / Technical Campus
- ➤ Campus attached hostels in all Colleges affiliated to JNTUH

For the year 2021-22 the following reforms are introduced in Affiliation Process:

1. **Nomination of University Grievance Redressal Cell (GRC) Members to Affiliated Colleges**

It is mandatory for all the Technical Institutions to address the grievances of faculty/staff members including service matters at institution level itself. As per the norms of the AICTE, the University nominated Grievance Redressal Cell (GRC) Members to various Affiliated Colleges. The Colleges / Institutes were directed to display the details of the Grievance Redressal Cell (GRC) Members in their respective College websites.

2. **Faculty Certificate Verification Cell**

   The University has been receiving certain complaints regarding the genuineness of UG, PG & Ph.D. degrees of few faculty working in Affiliated Colleges. In this connection, Faculty Certificate Verification Cell has been established in the University to verify the genuineness of degrees.

3. **Resuming ABAS (Aadhaar Based Bio-metric Attendance System)**

   The quality of education can be ensured by enforcing the physical presence of the faculty, staff and students in the college campus during working hours, through implementation of GPS based biometric attendance system.

   In order to have the ease of access to regulate all the affiliated colleges, the University has proposed Aadhaar based biometric attendance system for faculty, staff and students of all the colleges (both Constituent and Affiliated), which is a unique attempt in the country among all affiliating Universities. To begin with, the BAS was implemented for faculty and PG Students of all colleges under JNTUH from March, 2017 and is found successful

   The University has discontinued the Aadhaar based Biometric Attendance System (ABAS) in both Affiliated Colleges and Constituent Colleges of the University since 14-03-2020 owing to COVID-19 pandemic conditions. Now, it is proposed to resume ABAS for all the faculty members and PG Students from 01-10-2021.

4.5   Developments on the Academic Front

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

DST and other funding agencies for recognition of UG and PG programs, scholarships, projects, funds and grants.

This Directorate is responsible for initiating, executing and monitoring of Memoranda of Understanding (MoU) with National and International Universities, Institutions, Industries and other Private Organizations.

Other responsibilities include the following:

i. Conduct of meetings of University Committee for Perspective Planning (UCPP) and to take decisions for development of Constituent Colleges/Units of the University.

ii. Conduct of University Purchase Committee meetings to finalize the decision to purchase the Equipment for Constituent Colleges/Units of the University.

iii. Permission to start new Courses/Centers/Units/Constituent Colleges.

iv. Forwarding the proposals of Affiliated Colleges with recommendations to the UGC for grant of 2(f) & 12(B) Status and Autonomous Status.

v. Conduct of Academic Senate meetings.

4.6 Memoranda of Understanding (MOU)

The University has signed Memorandum of Understanding (MoU) with many International and National academic institutions/industries for mutual co-operation in many areas, such as:

➤ Student Exchange Program

➤ Integrated Double Degree Master's Program

➤ International Integrated Double Degree Master's Program

➤ Staff Exchange Program etc.

4.6.1 New MoUs with Private Organizations/Institutions/Industries

S. No.	Name of the Organization	Collaborative Activities
1.	CSIR-National Environmental Engg. Research Institute, Nagpur	CSIR-NEER and JNTUH will undertake joint research work in the areas of mutual interest.
2.	Environment Protection Training Research Institute (EPTRI), Hyderabad	A joint collaborative program of Education, Research, Training in

		the field of Environment and allied subjects.
3.	T-Hub, Information Technology, Electronics & Communications Dept., Govt. of Telangana, Photonics Valley Corporationand J-Hub of JNTUH.	To implement VLSI Incubation program
4.	Centre for Materials of Electronics Technology (C-MET), Hyderabad	To promote Academic and Research Co-operation
5.	M/s. NSDL Database Management Limited (NSDL), Mumbai	Any certificate or degree or diploma including related mark-sheets, transcript or evaluation reports or provisional certificates.
6.	Administrative Staff College of India (ASCI), Hyderabad	To offer Ph.D. program in Management
7.	Expansion of 360 Degree Strategic Partnership between Commissioner of Technical & General Education, Government of Telangana, JNTUH and Coursera, Inc.	For campus online learning offering courses

4.6.2 Existing MoUs with International Organizations/Institutes

S.No.	Name of the Organization	Collaborative Courses Offered
1.	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 faculty of ME, ECE and CSE.
2.	Central Michigan University, USA	2-Year MBA Program
3.	SRIIT, Hyderabad A tripartite agreement was entered between University of Massachusetts, JNTUH and SRIIT	5-Year Global Integrated Engineering Programmes (BS & MS) degrees in ECE, CSE & IT
4.	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.
5.	Carnegie Mellon University, USA	2-year MSIT Program

4.6.3 ExistingMoUs with NationalPublic and PrivateOrganizations/Institutions/Industries

1.	National Institute of Tourism and Hospitality Management (NITHM), Hyderabad.	Two-Year MBA and Four-Year BBA in Tourism & Hospitality.
2.	Telangana State Aviation Academy (TSAA), Hyderabad.	Five-Year Integrated Course inM. Sc. (Aviation) with specializations Mechanical/ Avionics (Ground Duty Stream).
3.	M/s. Veda Institute of Information Technology Pvt. Ltd., Hyderabad.	Two-Year MS Program in VLSI Engineering.
4.	National Academy of Construction (NAC), Hyderabad.	One-Year PG Diploma ini) Construction Project Management, ii) Quantity Surveying & Contracts Management
5.	Central Institute of Tool Design (CITD), Hyderabad.	Two-Year M. Tech. in Mechatronics.
6.	Military College of Electronics and Mechanical Engineering(MCEME), Secunderabad.	Two-Year M.Tech. ini) Computer Technology,ii) Aviation Technology.
7.	Mahindra Educational Institutions, Hyderabad.	Four-Year B.Tech. Programs in i. Civil Engineering ii. Mechanical Engg. iii. Electrical Engineering iv. Computer Science and Engineering
8.	Telangana State Technology Services Limited (TSTS), Hyderabad.	To deliver the Integrated Biometric Devices with Data Connectivity at Various Academic Departments of JNTUH Affiliated Institutions across Telangana.

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

S. No.	Name of the Organization	Collaborative Activities
1.	All India Council for Technical Education, New Delhi	AICTE-JNTUH training programs for faculty members to prepare them for being successful in a knowledge-driven society.
2.	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.
3.	Cyber Security Centre of Excellence, Telangana.	Collaboration is in the areas of Research, Innovation, Incubation, Marketing, Hackathons, Corporate Innovation and Training Programs.

4.	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.
5.	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.
6.	Hexagon Capability Center India Private Limited, Hyderabad.	To train the M. Tech students on the state of art GNSS technologies and also students of Geomatics / Environment/ Water Resource/ Civil/ Geo-Informatics background from other centers of JNTUH.

4.7 Admission of Foreign Students

At present the University has more than **230** Foreign National students from **39** 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 variouscountries 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.

5.0 INNOVATIVE ACTIVITIES AT JNTUH INNOVATION HUB

The University wide Innovation initiative J-HUB, has been rankedas BAND-A (Rank 6-25) category by MHRD in Atal Ranking of Institutions on Innovation Achievements (ARIIA) ranking 2020. The number of JLabs in constituent and affiliated colleges to seed in the culture of Innovation and Entrepreneurship has been increased from 26 to 75 in this academic year. 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.

5.1 Programs Executed

Virtual sessions on awareness, sensitization, orientation-webinars, workshops and trainings were conductedat J-HUB to build, extend, scale up innovative ideas/products. The programs covered ranged from Technical Workshops on Emerging Technologies, Hackathons, Product Engineering workshops, Idea Accelerator programs and Incubation programs.

5.1.1 IGNITE Workshop 2021

To seed innovation mindset as early as I Yr of graduation a series of IGNITE workshops were held across colleges and branches. Each workshop of 2 days duration covered the concepts on design thinking, creativity and innovation. More than 1545 students from 38 colleges attended the workshop online and have been motivated to start their innovation journey.

Sl. No.	IGNITE Program Date	No. of Participants Registered
1	19-20 February 2021	195
2	26-27 February 2021	203
3	05-06 March 2021	285
4	12-13 March 2021	343
5	19-20 March 2021	316
6	26-27 March 2021	203

5.1.2 Innovation Challenge 2021 (Online Boot Camp)

J-HUB Innovation challenge (online bootcamp) is conducted to inspire and identify innovative ideas of students across the state. Themed on Environment and Energy, Edu Tech, Health Care Technology, Sustainable living and

inclusive growth between 7thApril 2021 to 9thJune 2021. A total of 382 teams from 35 colleges have registered for the innovation challenge.

Note: Top 5 Winning teams from college level, get deeper enablement & focused help at J-HUB

S. No.	Name of the Idea	Name of the Team Lead & College
1.	Surface Disinfection System	Myson Sunny, Geethanjali College of Engineering and Technology
2.	Solar Controlled Integrated Pest Management System	Ch. Divya Sri, Priyadarshini Institute of Science and Technology for Women
3.	Quality Monitoring of Midday Meal	B. V. Lakshmi, Malla Reddy Engineering College for Women
4.	Safety SHOE	Akanksha Kacham, BVRIT Hyderabad Collegeof Engineering for Women
5.	VAARI -Solution to Save Water	G. Tharuni, Sreenidhi Institute of Science and Technology

5.1.3 Bootcamp (Online) on Entrepreneurship 2021

J-HUB conducted an online bootcamp ENLITE 17th June 2021 and 30th June 2021. The workshop is conducted in association with National Entrepreneurship Network (NEN). The program featured sessions on Design Thinking, Team Building, Ideation, Opportunity Analysis, Business Modelling, Market Analysis, and Finance Modelling. A unique feature of the program is that each day an early-stage startup founder referred as E-Cub shared their story to the participants. 376 teams from 32 colleges attended the workshop online.

Note: Winning teams from college level, get deeper enablement & focused help at J-HUB

S. No.	Idea	College Name and Place
1.	Biomedical Waste	G. Narayanamma Institute of Tech. &Science
2.	Eng-Gyan	JNTUH CEM
3.	Steps-Electricity	VNR VJIET &Geethanjali CET
4.	E-Attendance	BVRIT Hyderabad CEW
5.	Canteen Queue app	J B Institute of Engineering and Technology

S. No.		Institute Name
6.	Eq Training	Mahatma Gandhi Institute of Technology
7.	Crop Monitoring System	J B Institute of Engineering and Technology
8.	Party Bus	St. Martins Engineering College
9.	Vegan Kiosks for Veges	BVRIT Hyderabad CEW
10.	Nursery Cafe	G. Narayanamma Institute of Tech. & Science
11.	Zero Waste Events Mgt.	BVRIT Hyderabad CEW
12.	Plastic Block Construction	ACE Engineering College
13.	Book Vending	VNRVJIET and ACE Engineering College
14.	Payment Blockchain	ACE Engineering

5.1.4 EXCITE2021(Product Engineering Workshop)

The Product Engineering Workshop EXCITE which is the 7th edition of the EXCITE series has been kicked off on 28th June 2021.A total of 71 teams of 22 colleges are shortlisted for participation in the program. The teams shortlisted from Innovation Challenge 2021, finalists of national / international hackathons and nominations from J-Labs. The workshop features various stages of product development, market research, concept mapping, team building, prototype development, business strategy and demo before the jury.

The participants team received mentoring from industry experts and startup eco system and successful entrepreneurs.**71** Teams from various Constituent and Affiliated Colleges of JNTUH were selected for EXCITE Workshop 2021.
Nine webinars were conducted in September & December 2021.

5.1.5 Recognition Received by Students

Out of 45 innovation teams selected for grant support all over India by Institution's Innovation Council, MoE's Innovation Cell, Govt. of India, 3 innovation teams from the JLabs.

The details are as follows

S. No.	Innovation/ Startup	Grant Amount Rs. in Lakhs	Institute Name
1.	Monstograin	2.15	Jawaharlal Nehru Technological University Hyderabad
2.	FluidoCapteur	2.95	BVRIT Hyderabad College of Engineering for Women.

3.	New-GenFaucet	4.00	Sreenidhi Institute of Science &Technology

5.2   IP ECOSYSTEM 2021:   NISP Implementation by J-HUB 2021

The Executive Council of the University approved the University Student Startup Policy from the current academic year.

The policy will play a crucial role to support student led Innovations and tech startup incubation. The University has worked in creative ways to leverage the advantage of strong start-up ecosystem of the Telangana State and the credit flexibility provided by AICTE to open doors for start-up incubation on campuses. The experience of product development, design, decision making, perseverance and goal setting while pursuing start-up would also foster creative thinking and problem-solving attitude amongst students enabling them to succeed in the 21st Century.

The Key features of the JNTUH Student Startup policy include:
- Consideration of student innovation and entrepreneurial activities as mini/major project.
- Exemption in attendance for participation in startup activity.
- Specialization/minor in Entrepreneurship, Innovation and Products, Design Engineering by earning 18-20 credits over and above the credits for the award of the B. Tech degree.

Ranking of institutions on innovation and entrepreneurship index and recognitionannually.

5.3   START-UP ACTIVITIES

5.3.1 IAP (Idea Accelerating Program2021): Idea Accelerator Program (IAP) 2021 has been launched on 27th March, 2021 to help students with ideas and valid prototypes build startup.

The following is the list of TEAM/IDEAS admitted.
1. Electric wheelchair

2. Prototype design in wireless network

3. Intelligent writing arm

4. Solar Based Smart Acclimate Sprayer

5. LADS(License Authorization and Driver's Safety) / Gravi-T

6. C-TOY

7. I-Smart Module

8. FluidoCapteur

9. Mission Clean

10. SD belt

11. Monstograin

12. The Historer

13. Online Voting System using Blockchain

14. Diagnostico / Mavericks

15. FOOD DART

16. ONI-The Scarecrow

5.3.2 INCUBATION 2021: Student Start-Up Incubation/Entrepreneur Success Examples.Below are the incubates which were inducted for incubation at J-HUB.

1. **GHM Works Pvt Ltd**:A retrofitting of battery for two and three wheelers' vehicles to encounter pollution

2. **DappLogics:**An AI and Blockchain platform for Hiring

3. **CynoHub:**Startup working in the education sector toprovide and improve practicalresources to undergraduate students

4. **Drone Rover:**Drone Rover for continuous surveillance of Aerial & Ground

5. **Designr.me:**Startup for digital platform to transform personalized fashionfor B2C.

5.4 INVESTOR'S MEET

J-Venture by USA JNTUH Alumni (JVEN): An Investor meet was held by JNTUH Alumni association on21stAugust2021where the entrepreneurs were provided with the opportunity to present their startup ideas and products for

investments. Two of the startups have been shortlisted to receive investments to the tune of One Crore rupee.

6.0 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 Sandeep Kumar Sultania, IAS (FAC) Secretary to Government, Higher Education Department, Telangana State, Hyderabad	Member
3.	Sri K. Ramakrishna Rao, IAS Special Chief Secretary to Government, Finance and Planning (IF) Department, Telangana State, Hyderabad	Member
4.	Sri Navin Mittal, IAS Commissioner for Technical Education, Telangana State, Hyderabad	Member
5.	Dr. A. Govardhan Rector JNTUH, Hyderabad	Member
6.	Dr. S. Tara Kalyani Professor of EEE & Director, UIIC JNTUH, Hyderabad	Member
7.	Dr. R. Markandeya Principal JNTUH CEM, Peddapalli Dist., Telangana	Member
8.	Dr. T. Vijaya Lakshmi Associate Professor, Head & BoS Chairperson Centre for Environment, Institute of Science and Technology, JNTUH, Hyderabad	Member
9.	Dr. C. D. Naidu Principal VNRVJIET, Pragathi Nagar, Hyderabad, Telangana	Member
10.	Sri V. Rajanna Senior Vice- President & Global Head - Technology Business Unit Regional Head – Andhra Pradesh & Telangana, 1 SEZ Unit, Synergy Park Premises Gachibowli, Serilingampally, R.R. Dist.	Member

S. No.		Name		Member
11.	Sri Shrikant Sinha CEO Telangana Academy for Skill and Knowledge (TASK), S. P. Road, Begumpet, Secunderabad			Member
12.	Sri Arutla Prashanth Chairman Hyderabad Institute of Technology and Management Gowdavelly, Medchal, Medchal-MalkajgiriDist.			Member
13.	Sri Masood Hussainy Tata Advanced Systems, TSIIC, Aerospace & Precision SEZ, Adibatla, R. R. Dist.			Member
14.	Dr. G. Vishnu Murthy Professor & Head, Dept. of CSE Deputy Director of Anurag Group of Institutions Bandlaguda, Nagole, Hyderabad			Member
15.	Dr. M. Manzoor Hussain Professor of ME and Registrar JNTUH, Hyderabad			Secretary

6.1 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	Prof. of CSE
2.	Registrar	Dr. M. Manzoor Hussain	Prof. of ME
3.	Director, Academic & Planning	Dr. M. Madhavi Latha	Prof. of ECE
4.	Director, Evaluation	Dr. M. Chandra Mohan	Prof. of CSE
5.	Director, UAAC	Dr. D. Srinivasa Rao	Prof. of ECE
6.	Director, R&D	Dr. K. Vijaya Kumar Reddy	Prof. of ME
7.	Director, UFR	Dr. B. Balu Naik	Prof. of ME
8.	Director, BICS	Dr. K. M. Lakshmana Rao	Prof. of Transportation Engg.
9.	Director, Admissions	Dr. Ch. Venkata Ramana Reddy	Prof. of Chemistry
10.	Director, SCDE	Dr. B.N. Bhandari	Prof. of ECE
11.	Director, UGC-HRDC	Dr. G. K. Viswanath	Prof. of CE
12.	Director, UIIC	Dr. S. Tara Kalyani	Prof. of EEE

13.	Director, J-Hub	Dr. G. Vijaya Kumari	Prof. of CSE
14.	Director, SIT	Dr. A. Damodaram	Prof. of CSE
15.	Director, IST	Dr. Ch. Sasikala	Prof. of Env. Science
16.	Director, SMS	Dr. Sindhu	Prof. of Mgmt. Studies
17.	Principal, JNTUH CEH	Dr. A. Prabhu Kumar	Prof. of ME
18.	Principal, JNTUH CEJ	Dr. V. Venkateswara Reddy	Prof. of CE
19.	Principal, JNTUH CEM	Dr. R. Markandeya	Prof. of Mett. Engg.
20.	Principal, JNTUH CES	Dr. G. N. Srinivas	Prof. of EEE
21.	Principal, JNTUH UCPSS	Dr. M. Ajitha	Prof. of Pharmacy
22.	Principal I/c., JNTUH CER	Dr. T. Venugopal	Prof. of CSE
23.	Director, IQAC	Dr. AVSSKS Gupta	Prof. of ME
24.	OSD to VC	Dr. K. Ramamohan Reddy	Prof. of Water Resources
25.	OSD (Student Affairs)	Dr. Dharma (on deputation from BRAOU)	Deputy Director in BRAOU

Deputy Directors

S. No.	Posting	Name	Designation
1.	Dy. Dir. A & P	Dr.T. Sreekanth	Prof. of Physics
2.	Dy. Dir. R & D	Dr. B. Ravindra Reddy	Assoc. Prof. of Mathematics
3.	Dy. Dir. DAAC	Dr. G. Venkatarami Reddy	Prof. of IT
4.	Dy. Dir. Admissions	Dr. M. N. Rajasekhar	Prof. of Mathematics
5.	Dy. Dir. UIIC	Dr. J. Suresh Kumar	Prof. of ME
6.	Dy. Dir. SCDE	Dr. P. Swetha	Prof. of CSE
7.	Dy. Dir. UGC-HRDC	Dr. K. Naga Sujatha	Prof. of EEE

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

S. No.	Name	Designation
1.	Sri G. Janardhan Rao	Finance Officer
2.	Smt. Ch. Aruna	Joint Registrar, Account Section
3.	Sri V. Madhava Reddy	Joint Registrar, Academic & Planning& UAAC
4.	Smt. J. Sudha Madhuri	Joint Registrar, Administration

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 College of Engineering Hyderabad

S.No.	Dept.	Name of the faculty member & Designation	Award, Fellowship/Membership received	National / Intl.	Awarding agency	Received Date & Year
1.	CE	Dr. K. Manjulavani Professor & BoS Chair	State Award for Meritorious Teachers	State	Department of Higher Education, Govt. of TS.	5th Sept. 2021
2.	ME	Dr. M. Manzoor Hussain, Professor & Registrar	Outstanding Professor Award	International	IEOM Society International	18th Aug. 2021
3.	ECE	Dr. K. Anitha Sheela, Professor & Head	Fellow Institute of Engineers	National	Institute of Engineers	Dec. 2020
4.	CSE	Dr. A. Govardhan Professor and Rector	INDIA's Exceptional Educators for the year 2021 Award	National	The Excelligent	2021
5.			Fellow	National	IETE	Sep. 2021
6.			Fellow	International	International Society for Development and Sustainability (ISDS)	Dec. 2021
7.		Dr. D. Vasumathi, Professor & Head	Women Achiever Award (service to the Nation category)	National	World Achievers	24th July 2021
8.			Manam Excellency Award	National	Manam Foundation	30th April 2021
9.	Chemistry	Dr. Ch. Venkata Ramana Reddy,	State Award for Meritorious	State	Department of Higher Education,	5th Sept. 2021

		Professor of Chemistry &Director, Admissions	Teachers		Govt. of TS.	
10.			National Award for Online Teaching During Pandemic Times	National	Achievers Association for Health & Educational Growth	15th March 2021
11.			International Social Worker Award 2020-21	International	International Institute of Organized Research	30th January 2021
12.			National Eminent Editor Award	National		6th January 2021
13.		Dr. S. Venkateswara Rao, Professor, Head & BoS Chairman	Ambedkar Social Service Award	National	Indian Academic Researchers Association	26th Dec. 2020
14.	Physics		Sir C. V. Raman Lifetime Achievement International Award	International	Innovative Research Developers and Publishers	12th Dec. 2020
15.			Best Performer in Research & Development	International	International Association of Research and Developed Organization	28th Nov. 2020
16.			Emerging Leader in Technology Innovation	International		28th Nov. 2020
17.			Best Paper Award	International	International Institute of Research in Multidisciplinary - Skill Development Trust	28th June 2020

JNTUH College of Engineering Jagtial

1.	EEE	Sri C. Radha Charan,	ISTE- Syed Sajid Ali National	National	Indian Society for	05th October

		Assistant Professor	Award for Outstanding Research Work in the field of Renewable Energy		Technical Education, New Delhi	2021

JNTUH College of Engineering Sulthanpur

1.	ME	Dr M Shailaja, Professor	Certificate of Appreciation	National	NPTEL - SWAYAM	Dec. 2021

Institute of Science and Technology, JNTUH

1.	CPS	Dr. M. SunithaReddy, Assoc. Professor&Head	Women's Excellence Award	International	Bioleagues/ 8th World Conference, Bangkok, Thailand	18th April 2021

School of Management Studies, JNTUH

1.	SMS	Dr. Sindhu Professor & Director I/c.	Women Achiever Award	National	Siddham NGO Foundation	5th Sep. 2020

7.1 Prestigious Assignments

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

JNTUH College of Engineering Hyderabad

S.No	Dept.	Name of the faculty member & Designation	Prestigious Assignment	Received from	Duration
1.		Dr. B Sudheer Prem Kumar, Professor (on lien)	Secretary, APSCHE	AP Govt.	3 Years
2.	ME	Dr. G. Krishna Mohan Rao, Professor	TS ECET-2021 (FDH & BSM) Co-Convenor	TSCHE	2021
3.		Dr. A. Aruna Kumari, Professor & Addl.	Member of TSPollution	TSPCB	2018 - till date

		Controller of Examinations	Control Board		
4.		Dr. A. Govardhan, Professor & Rector	TS EAMCET-2021 Convener	TSCHE	2021
5.	CSE	Dr. M. Chandra Mohan, Professor & Director of Evaluation	TS EAMCET-2021 Co-Convener	TSCHE	2021
6.	Chemistry	Dr. Ch. Venkata Ramana Reddy, Professor of Chemistry & Director, Admissions	TS ECET-2021 (FDH & BSM) Convenor	TSCHE	2021

Institute of Science and Technology, JNTUH

1.		Dr. V. Hima Bindu, Professor	Member of selection committee for DST-WOS-B on October 2020	DST	2020-2023
2.	CEN	Dr. T. Vijaya Lakshmi, Associate Professor& Head, BoS Chairperson & EC Member, JNTUH	Member, Telangana State Environmental Appraisal Committee, MoEF& CC, Govt. of India.	Govt. of India	2020-2023
3.			Invited member for the TWAS Alumni Meeting Nov, 2021 (Virtual)	The World Academy ofSciences, Italy	9th- 12th Nov.2020

7.2 Text Books/Book Chapters Authored by Faculty Members

The members of the faculty of JNTUH authored**27** textbooks/bookchapters/ conference proceedingsin the fields of their specialization. Following are the details of various books authored by them:

JNTUH College of Engineering Hyderabad

S. No.	Dept.	Name of the Faculty Member& Designation	Title of the Book and ISBN	Name of the Publisher
1.	EEE	Dr. A. Jaya Laxmi, Professor & Head	DC-DC converter for RES based smart Resilient LVDC Distribution system/Chapter-11 ina book entitled	Springer Nature, Singapore

			DC-DC converters for future Renewable Energy systems (July 2021)	Pvt. Ltd.
2.	CSE	Dr. A. Govardhan, Professor & Rector	Innovations in Computer Science and Engineering - Proceedings of the Eighth ICICSE 2020, Lecture Notes in Networks and Systems, Volume 171, 2021, ISBN: 978-981-33-4543-0 (eBook), pp. 1- 806.	Springer Nature
3.			Innovations in Computer Science and Engineering - Proceedings of the Seventh ICICSE 2019, Lecture Notes in Networks and Systems, Volume 103, 2020, ISBN: 978-981-15-2042-6 (eBook), pp. 1- 655. (https://doi.org/10.1007/978-981-15-2043-3)	Springer Nature
4.			Artificial Intelligence based Diagnostic Model for the Detection of Malaria Parasites from Microscopic Blood Images". In: Tyagi A.K., Abraham A., Kaklauskas A. (eds.) Intelligent Interactive Multimedia Systems for e-Healthcare Applications. Springer, Singapore. https://doi.org/10.1007/978-981-16-6542-4_12, 2021, pp. 215-233. (Book Chapter)	Springer, Singapore.
5.	Physics	Dr. S. Venkateswara Rao, Professor, Head & BoS Chairman	Latest Innovation for Future Education (LIFE-2021), Chapter (Page: 11,700 - 11,712) in Thickest Book in the World, 978-81-947019-0-3, 2021	ESN Publications
6.			Latest Innovation for Future Education (LIFE-2021), Chapter (Page: 10,481 - 10,487) in Thickest Book in the World, 978-81-947019-0-3, 2021	
7.			COVID-19 and its impact, Asia Book of Records & India book of Records, 978-81-947019-4-1, 2021	
8.			Recent Trends on Multidisciplinary Research, 978-93-90781-23-2, 2021	

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1.	Physics	Dr. Suresh Sripada, Assistant professor	Modern Physics (In press)	Telugu Academy
2.	Chem istry	Dr. B. Sathyanarayana, Assistant Professor	Chemistry for Engineers	Seven Hills International Publishers, TS, India

JNTUH College of Engineering Sultanpur

1.	CSE	Dr. G. Narsimha, Professor & Vice Principal	Smart Agriculture -Machine Learning Based Techniques for soil classification and yield prediction (9798885469500)	Notion Press 2021
2.			Information Security and Management System (B65A99E5-5C9E-4712-8B91-AF6E61E188DB)	CRC Press Taylor & Francis Group

Institute of Science and Technology, JNTUH

1.	CBT	Dr. Archana Giri Professor & BOS Chair &Dr. Anjaneyulu Musini (Assistant Professor)	Bio Active Compounds of Salacia oblonga Wall Against Drug Resistant Pathogen Staphylococcus aureus: Bioactive Molecules against Infectious Diseases: Current Concepts & Updates, Volume 1, Year 2021, Pages 1-14 Heathrow Stockley Park, Heathrow UB11BD, UK	Springer Nature
2.		Dr. Archana Giri, Professor & BOS Chair	Recent trends on elicitation and secondary metabolic pathway analysis in medicinal plants: an integrated trancriptomics an evidenced based proteomics approach	
3.	CEN	Dr. Ch. Sasikala, Professor & Director	Genus: *Marispirochaeta* (gbm01938) In Bergey's Manual of Systematics of Archaea and Bacteria (eds M.E. Trujillo, S. Dedysh, P. DeVos, B. Hedlund,	John Wiley & Sons, Inc., in association with

			P. Kämpfer, F.A. Rainey and W.B. Whitman). (Invited chapter by the editors of Bergey's Manual of Systematic Bacteriology) ISBN: 9781118960608	Bergey's Manual Trust
4.			Genus: *Paraclostridium* (gbm01635) In Bergey's Manual of Systematics of Archaea and Bacteria (eds M.E. Trujillo, S. Dedysh, P. DeVos, B. Hedlund, P. Kämpfer, F.A. Rainey and W.B. Whitman). (Invited chapter by the editors of Bergey's Manual of Systematic Bacteriology) ISBN: 9781118960608	John Wiley & Sons, in association with Bergey's Manual Trust
5.	CNST	Dr. K. Venkateswara Rao, Professor & Controller of Exams, JNTUH	Metal Oxide-based Disposable Sensors for Health Monitoring	Royal society of chemistry springer
6.		Dr. Ch. Shilpa Chakra, Assistant Professor & Head	Applications of Carbon-Based Nanomaterials in Health and Environment: Biosensors, Medicine and Water Treatment	Springer Nature
7.			Carbon: A Phantom for NanocompositeDriven Applications	Springer Nature
8.	CPS	Dr. M. Sunitha Reddy, Associate Professor	Herbal Medicine-A Benign and Conventional Medical Systems/ 173-183	Immortal Publications
9.			Role of Virtual Learning Environments in Modern Education systems/9-27 Developing the next generation learners in this Digital Era (Vol-II)	Lula Publications
10.	CWR	Dr.B. VenkateswaraRao, Retd. Professor	Fourth Indian National Groundwater Conference (INGWC-2021) on Groundwater Management in Arid and Semi-Arid Regions of Hard Rock Terrains, ISBN: 9789390211678	B.S. Publications

11.			Impact of Artificial Recharge of Roof Top Rain Water on ground water	Lambert publications
12.		Dr. M. V. S. S. Giridhar, Professor	Resistivity well logging to delineate lithology in hard rock	Lambert publications
13.			An Environmentally Sound Approach for Sustainable Rainwater Harvesting.	Lambert publications

School of Management Studies, JNTUH

1.	SMS	Dr. Sindhu, Professor & Director I/c.	COVID-19 Pandemic Challengers for Management Education, Chapter:" Management Education Opportunities and Challengers".	Association of Management Development Institutions in South Asia,HCU, Hyderabad
2.			The Mediation effect psychological state in determining Employee innovativeness - Test of Job characteristics medel in selected Ethiopian industry	Contemporary issues in Management Research

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

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

necessary academic activities for monitoring and evaluation of candidates admitted for M.Phil., M.S. (by Research) and Ph.D. programmes.

Directorate of R&D 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.

Even in COVID-19 Pandemic situation the RRM (Offline), RM (Online) and Ph.D. viva voce examination (Online) are conducted to avoid the academic loss for the research scholars.

Departmental Research Committees (DRCs) have been constituted under the Directorate of Research and Development 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.Details of RRMs conducted in the year 2020-21 are as follows:

S. No.	Date of Conduct	No of Students enrolled
1.	27th – 28thOctober 2020	155
2.	05th – 06th February 2021	113
3.	30th – 31st July 2021	158

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.

Directorate of R & D has successfully conducted Research Methodology (RM) Coursework through online modeduringCOVID-19 Pandemic. Eminent researchers from Academic Institutions, Central Research Centres, Defence

&Corporate delivered lectures in the RM Coursework. Details of Research Methodology Coursework conducted in the year 2020-21are as follows:

S. No.	Date of Conduct	Discipline	Students Enrolled
1.	26th April 2021 – 1st May 2021	Engineering & Sciences Stream	24

Total no. of Ph.D. Viva-Voce examinations held during July 2020 to December 2021 are **314**.The Academic Regulations are revised from the Academic Year 2021-22 onwards.

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

The following faculty members have been awarded Ph.D. Degrees in the Academic Years 2020-21& 2021-22:

S. No	Name of the Department	Name of the Faculty Member	Title of Ph.D. Thesis	Month & Year of Award
1.	EEE, JNTUH CEH	Dr. D. Kiran Kumar, Assistant Professor	Integrated FPGA based controller for permanent magnet Synchronous Motor drive	Dec. 2020
2.	EEE, JNTUH CEM	Dr. R. Durga Rao, Assistant Professor & Head	Estimation and Mitigation of Very Fast Transient Over Voltage (VFTO) Magnitudes by Switching the Lamped Elements in UHV Gas Insulted Switchgear Substations	Oct. 2021

7.5   **Research Scholars Supervised by Faculty Members**

The following members of the faculty from different constituent colleges/units of JNTUH have supervised **86**Research Scholars fromJuly 2020 to Dec. 2021.

JNTUH College of Engineering Hyderabad

S. No.	Dept.	Name of the faculty Member & Designation	No. of Scholars Awarded Ph.D.
1.	CE	Dr.M.Janardhana Yadav,Professor	01
2.	EEE	Dr. M. Sushama, Professor & Chairperson BOS	03
3.		Dr. A. Jaya Laxmi, Professor & Head	03

4.		Dr. P. Chandra Shekar Reddy, Professor & BoS Chairman	02
5.		Dr. M. Asha Rani, Professor	03
6.	ECE	Dr. B. N. Bhandari, Professor & Director, SCDE	01
7.		Dr. T. Satya Savithri, Professor	02
8.		Dr. K. Anitha Sheela, Professor & Head	02
9.		Dr. K. Vijaya Kumar Reddy, Professor & Director, R&D	01
10.		Dr. B. Sudheer Prem Kumar, Professor (on lien)	01
11.		Dr. M. Manzoor Hussain, Professor & Registrar	03
12.	ME	Dr. AVSSKS. Gupta, Professor & Director, IQAC	01
13.		Dr. A. Prabhu Kumar, Professor & Principal, JNTUH CEH	01
14.		Dr. B. Balu Naik, Professor & Director, UFR	02
15.		Dr. J. Suresh Kumar, Professor & Deputy Director, UIIC	01
16.		Dr. A. Govardhan, Professor & Rector	04
17.	CSE	Dr. V. Kamakshi Prasad, Professor & BoS Chairman	01
18.		Dr. O.B.V. Ramanaiah, Professor	01
19.		Dr. D. Vasumathi, Professor & Head	01
20.	Maths	Dr. V. Srinivasa Kumar, Assistant Professor	01
21.		Dr. Ch. Venkata Ramana Reddy, Professor & Director, Admissions	01
22.	Chemistry	Dr. B. Rama Devi, Professor, Head & BOS Chairperson	03
23.		Dr. P. Aparna, Assistant Professor	04
24.		Dr. M. Thirumala Chary, Professor Emeritus	03
25.	H&SS	Dr. Parvathi. V, Professor & Head	02
26.		Dr. NVSN. Lakshmi, Assistant Professor	01

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1.	EEE	Dr. N.V. Ramana, Professor	07
2.	IT	Dr. S. Suresh Kumar, Assistant Professor& Head	01
3.	Physics	Dr. Suresh Sripada, Assistant Professor	01
4.	Chemistry	Dr. K. Vidya, Assistant Professor	01

JNTUH College of Engineering Manthani

1.	CE	Dr. N. Darga Kumar, Assistant Professor & Head	01

JNTUH College of Engineering Sultanpur

1.	EEE	Dr. G. N. Srinivas, Professor & Principal	01
2.	CSE	Dr. G. Narsimha, Professor & Vice-Principal	04

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1.	CBT	Dr. Archana Giri, Professor& BOS Chairperson	01
2.		Dr. A. Uma, Associate Professor& Head	01
3.	CCST	Prof. A. Jaya Shree, Professor & Head	05
4.	CEN	Dr. M. Anji Reddy, Professor	01
5.		Dr. Ch. Sasikala, Professor and Director	01
6.		Dr. T. Vijaya Lakshmi, Associate Professor & Head, BOS Chairperson and EC Member, JNTUH	01
7.	CPS	Dr. G. Krishna Mohan, Retd. Professor	02
8.		Dr. M. Ajitha, Professor & Principal, JNTUH UCPSS	01
9.		Dr. S. Shobha Rani, Associate Professor & BOS Chairperson	02
10.		Dr. M. Sunitha Reddy, Associate Professor & Head	02
11.	CWR	Dr. M.V.S.S. Giridhar, Professor & Head	01

School of Information Technology, JNTUH

1.	Dr. A. Damodaram, Professor and Director	03

7.6 Patents/Copyrights Filed/Awarded

Following are the details of patents published/filed by faculty members of JNTUH:

JNTUH College of Engineering Hyderabad

S. No.	Dept.	Name of the Faculty Member	Details of Patent Filed/ Published/ Granted	Date of Publish/ Grant	Patent Authority
1.	CE	Dr. P. Srinivasa Rao, Professor	Method of Manufacturing Quaternary Blended Self Compacting Concrete and Evaluation of the Same 202141060903, Page No: 301	Published 7th Jan. 2022	Indian Patent Office
2.	EEE	Dr. M. Sushama, Professor & BOS Chairperson	Method of Synthesizing Linixcuo. 5-XMN 1.504 Nanomaterial using Microwave assisted sol-gel Technique for lithium ion Battery Cathode, Application No. 202141014821	Published, 31st March 2021	Indian Patent Office
3.		Dr. A. Jaya	Method and Circuit for Operating OEWIM Using Dual Inverter Fed	Filed, 26th Mar. 2021	Indian Patent

		Laxmi, Professor & Head	with Modulated Carrier Based DPWM, Application Number-202141011908		Office
4.			Method and system for providing power resilience during and aftermath of disasters using Intentional Islanding, Application No. 202141018075	Filed, 30th April 2021	Indian Patent Office
5.		Dr. K.H. Phani Shree, Associate Professor	A Phasor Measurement Unit for A Wide Area Measurement System Applications CBR Number: 3712, Application No. TEMP/E 1/20051/2021- CHE	Filed, 01st Feb. 2021	Indian Patent Office
6.	ECE	Dr. D. Srinivasa Rao, Professor & Director, UAAC	"Powered Exoskeleton system and method for Rehabilitation of Foot/Lower Limb Movement". Application No. 202021038047	Filed, 03rd Sep. 2020	Indian Patent Office
7.		Dr. K. Anitha Sheela, Professor & Head	" A Utility Based on Speech Enable Interactive voice Response (SEIVR) for providing Online Market Place for Farmers for Selling of Farm Produce". Registration No. 202041034753	Filed, 04th Sep. 2020	Indian Patent Office
8.	CSE	Dr. D. Vasumathi, Professor & Head	A Method of extractive text summarization for Telegu with improved sentence ranking, 202141009468 A	Published, 07th May 2021	Indian Patent Office
9.			An AI enabled framework for efficient fine-grained sentiment analysis in multilingual context, 202141018456 A	Published, 07th May 2021	Indian Patent Office
10.	Mett. Engg.	Dr. K. Srinivasa Vadayar, Associate Professor	Quantification of filling ability distance obtained from casting simulations using virtual casting software, Filing Indian – Provisional Application No. 22041055607	Published, 21st December 2020	Indian Patent Office

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			Intelligent Shopping Card by using Internet of Things (IoT), Artificial Intelligence (AI) and Machine Learning (ML) Technologies - 2020102305	14th Oct. 2020, Granted	Australia Patent Office
1.		Dr. S. Viswanadha Raju, Professor			
2.			Auto-powered Assistive Device for Visually Impaired People - 2020102442	28th October 2020, Granted	Australia Patent Office
3.			Contactless Multi-Biometric Recognition System for the Safety and Security in Critical Region - 202041028143	17th July 2020, Published	Indian Patent Office
4.	CSE		Published – Suspected Virtual Hard Disk Creator for File Carving Researches - 202041056318	01st Jan. 2021, Published	Indian Patent Office
5.		Dr. T. Venugopal Professor & Principal I/c.,JNTUH CER	Awarded – Early detection of Diabetic Retinopathy Using Deep Representations with Binary CNN and Data Augmentation - 202041055763	08th January 2021, Published	Indian Patent Office
6.			Deep Learning based Leaf Disease detection with Satellite Image Towards Precision Architecture - 202041032004	Published, 21[st]August 2020	Indian Patent Office
7.			An effective mechanism using smart belt to prevent school children education - 202041055573	Published, 25th Dec. 2020	Indian Patent Office
8.			A generic framework for multi model document image analysis - 202041044919	Published, 30th Oct. 2020	Indian Patent Office
9.		Dr. P. Sammulal, Professor & Head	Smart Mirror - 332090-001	11th May 2021, Published	Indian Patent Office
10.	IT	Dr. S. Suresh Kumar, Asst. Prof.	A model for Event Time Extraction and its Application to Temporal Question Answering System. ID: 202041035785	Published 15th Dec. 2021	Indian Patent Office
11.	Phys ics	Dr. T. Sreekanth,	A Process for manufacturing metal oxide- based	Filed, 04th August	Australia Patent

		Professor	formaldehyde Gas Sensor, P. NO: 2021101790	2021	Office

JNTUH College of Engineering Manthani

1.	CE	Dr. N. Darga Kumar, Assistant Professor & Head	Expression between Observed UCS and Penetration Resistance of Soil treated with Lime, CaCl2 and Fly Ash. Application No. 202141032006 A	Published on 23rd July 2021	Indian Patent Office

JNTUH College of Engineering Sulthanpur

1.	ECE	Dr. Y Raghavender Rao, Professor & Head	Intelligent Voice-Based E-Mail Secure and Control Using Machine Deep Learning Programming, Application No: 202041044433 A	Published on 30thOct. 2020	Indian Patent Office
2.			Synthesis of Compositional Formula of Pr0.5Sr0.5Mn1-XCrXO3 (X=0, 0.1, 0.2, 0.3, 0.4) by Sol-Gel Route Method and Study of Their Elastic Behavior	Published on 29th Jan. 2021	Indian Patent Office
3.	Physics	Dr. K. Vijaya Kumar, Professor	Synthesis and Impedance Spectroscopic Studies of Na+ ion Conducting Nanocomposite Polymer Electrolyte (80wt%PEO/wt20%PVDF) + 7.5wt%NaClO+xwt%TiO2	Published on 05th Feb. 2021	Indian Patent Office
4.			Study of Electrical Properties of (80wt%PEO+20wt%PVDF) + 7.5wt%Naclo4 +16wt%Fe2O3 Nanocomposite Polymer Electrolyte for the Application of Sodium-Ion Battery	Published on 05th Nov. 2021	Indian Patent Office

Institute of Science& Technology, JNTUH

1.	CEN	Dr. Ch. Sasikala, Professor& Director	Culture medium and Methods for the Production of Secondary Metabolites By a probiotics bacterium,Zooshikella Marina JC333T (TEMP/E-1/41720/2021-	Filed on 16th Aug. 2021	Indian Patent Office

			CHE)		

7.7 Research Publications

The faculty members of JNTUH have published **388** research articles in various reputed National and International Journals/Conferences/Seminars/Symposia. The details are as follows:

JNTUH College of Engineering Hyderabad

Dept./Centre	Journals		Conferences		Total
	Intl.	National	Intl.	National	
Civil Engg.	41	-	12	-	53
Mechanical Engg.	5	-	-	-	5
Electrical & Electronics Engg.	18	-	11	-	29
Electronics &Comn. Engg.	10	-	1	-	11
Computer Science &Engg.	11	-	3	-	14
Metallurgical Engineering	1	-	-	-	1
Mathematics	32	-	-	-	32
Physics	16	-	2	-	18
Chemistry	22	-	1	3	26
Humanities & Social Sciences	1	-	-	-	1

JNTUH College of Engineering Jagtial

Electrical & Electronics Engg.	13	-	-	-	13
Electronics &Comn. Engg.	4	-	-	-	4
Computer Science &Engg.	7	-	-	-	7
Information Technology	9	-	1	-	10
Physics	16	-	-	-	16

JNTUH College of Engineering Manthani

Civil Engg.	2	1	3	-	6
Electrical & Electronics Engg.	-	3	-	-	3
Mining Engineering	-	1	-	-	1

JNTUH College of Engineering Sultanpur

Civil Engg.	2	-	-	-	2

Mechanical Engg.	4	-	-	-	4
Electronics &Comn. Engg.	7	-	-	-	7

Institute of Science and Technology,,JNTUH

Centre for Biotechnology	26	-	-	-	26
Centre for Environment	25	-	-	-	25
Centre for Nanoscience and Technology	14	-	-	-	14
Centre for Water Resources	17	1	1	-	19

School of Information Technology, JNTUH

SIT	27	-	1	-	28

School of Management Studies, JNTUH

SMS	09	-	4	-	13

7.8 **Conferences/Workshops/Seminars/Refresher Courses/Training Programs Organized**

Various departments of the constituent colleges/units of JNTUH conducted**196**Seminars/Workshops/Conferences/Refresher/Short–term courses/Training programs/Expertlectures fortheir faculty members in the following disciplines:

Grants for**Rs. 7.23 Lakhs** were spent for Conducting Conferences/Seminars/Workshops.

JNTUH College of Engineering Hyderabad

Dept./ Centre	Name of the Organizing FacultyMember	Nature of the Event
CE	Dr. P. Srinivasa Rao, Professor & Dr. B. Dean Kumar, Professor	National Workshop – 01
	Dr. K. Manjulavani, Professor &BoS Chairperson	Invited Talk/Expert Lectures delivered - 02
	Dr. S. Srinivasulu, Professor & Head	Expert Lecture delivered – 01
	Dr. M. Janardhana Yadav, Professor	Expert Lecture delivered – 01
	Dr. V. Padmavathi, Professor	National Webinar – 02
	Dr. M. Padmavathi, Associate Professor	National Conference – 01,

		National Webinar – 01, Invited Talk/Expert Lecture delivered – 01
	Dr. B. Sunitha, Assistant Professor & Assistant Director, UAAC	Invited Talk/ Expert Lectures delivered - 03
EEE	Dr. M. Sushama, Professor & BoS Chairperson	Expert Lectures delivered- 05 Student Activity - 01
	Dr. A. Jayalakshmi, Professor & Head	National FDP - 01
	Dr. K.H. Phani Sree, Associate Professor	Expert Lecturesdelivered- 05 National Webinars - 02
	Dr. D. Kiran Kumar, Assistant Professor	National Workshop - 01
ME	Dr. M. Indira Rani, Professor & Head	Expert Lecturesdelivered- 02
	Dr. A. Aruna Kumari, Professor & Additional Controller of Examinations	National Training - 01
ECE	Dr. L. Pratap Reddy, Professor	Guest Lecture - 01
	Dr. D. Sreenivasa Rao, Professor & Director, UAAC	Conference Session Chair- 01 Resource Person - 02
	Dr. M. Asha Rani, Professor	Expert Lectures delivered- 01
	Dr. K. Anitha Sheela, Professor and Head	Expert Lectures/Guest Lectures Delivered – 06, National Seminar - 01
	Dr. T. Satya Savithri, Professor	Expert Lectures delivered- 03
CSE	Dr. A. Govardhan, Professor & Rector	Keynote Speaker/ Invited Talks – 08 Speaker &PanelMember - 07 General Chair (Int'l Conf) - 1 Honorary Chair (Int'l Conf) - 1 National Workshop - 01
Maths	Prof. M.A. Srinivas, Professor & Head	Expert Lecturesdelivered- 03
Physics	Dr. S. Venkateswara Rao, Professor, Head & BoS Chairman	Expert Lectures delivered- 02
Chemistry	Dr. Ch. Venkata Ramana Reddy, Professor & Director, Admissions	Expert Lecturesdelivered- 01
	Dr. B. Rama Devi, Professor, Head & BOS Chairperson	National Conference – 01, Expert Lecturesdelivered- 02
	Dr. T. Sabithakala, Assistant Professor Dr. P. Aparna, Assistant Professor	Short-Term Course - 01
	Dr. M. Thirumala Chary, Professor Emeritus	Expert Lecturesdelivered- 06
H&SS	Dr. D. Parvathi, Professor & Head	National FDP – 01, Short-Term Course – 02, Expert Lecturesdelivered- 02
	Dr. N.V.S.N. Lakshmi, Assistant	Refresher Course – 02,

	Professor	Expert Lectures delivered- 02

JNTUH College of Engineering Jagtial

EEE	Dr. N.V. Ramana, Professor	National Workshop - 01
	Dr. K. Srinivas, Asst Prof & Head and Sri. C. Radha Charan, Asst. Professor	National Workshop - 01
CSE	Dr. S. Viswanadha Raju, Professor	Invited Talk/ Expert Lectures delivered – 12, Intl. Con. Chaired - 02
Mathematics	Dr. M. N. Raja Shekar, Professor & BoS Chairman	Refresher Course - 01
Physics	Dr. T. Sreekanth, Professor & Head	Refresher Course - 01
Chemistry	Dr. B. Sathyanarayana, Assistant Professor & Head	Short Term Course – 01, Invited Talks/ Expert Lectures delivered - 02

JNTUH College of Engineering Manthani

CE	Dr.N. Darga Kumar, Assistant Professor& Head	Expert LecturesDelivered-16, Refresher Course - 01

JNTUH College of Engineering Sultanpur

ME	Dr. M. Shailaja, Professor	Expert Lecture - 01
ECE	Sri. V. Rajanesh, Assistant Professor	Guest Lectures - 02
CSE	Dr. B. V. Ram Naresh Yadav, Associate Professor	Refresher Course - 01

Institute of Science & Technology, JNTUH

CEN	Dr. M. Anji Reddy, Professor & BOS Chairman (SIT)	National Workshop – 01, National Seminar - 01
	Dr. Ch. Sasikala, Professor & Director	Invited Talks - 07
	Dr. V. Himabindu, Professor	National Webinar – 01, Int. Workshop - 01
	Dr. T. Vijaya Lakshmi, Associate Professor, Head & BOS Chairperson	National Webinar – 02, International Webinar – 01, National FDP - 01
CNST	Dr. K. Venkateswara Rao, Professor & Controller of Examinations	FDPs - 02 Short-Term Training – 01, National Workshop – 01, Invited Talks/ Expert Lectures Delivered - 02

	Dr. M. Ajitha, Professor & Principal, JNTUH UCPS	National Webinar – 01, Refresher Course - 01, Invited Talk - 01
CPS	Dr. M. Sunitha Reddy, Associate Professor & Head	National Webinar – 10, Short-term/ Refresher Courses - 02, Invited Talks – 01, Keynote Address – 01, Expert Lectures delivered- 06
	Dr. S. Shobha Rani, Associate Professor & BOS Chairperson	Invited Talk - 02
CSIT	Sri J. Venkatesh, Associate Professor	National Seminar – 03, National Workshop - 02
CWR	Dr. B. Venkateswara Rao, Retd. Professor	National Conference - 01
	Dr. M.V.S.S. Giridhar, Professor & Head	Invited Talk - 01

School of Information Technology, JNTUH

School of Information Technology	Dr. V. Uma Rani, Associate Professor	Workshops - 01

School of Management Studies, JNTUH

School of Management Studies	Dr. Sindhu, Professor & Director I/c.	National Webinars/ Seminars- 03, National Workshop - 01 Invited Talk -01, Trainings – 03, Expert Lectures delivered- 05
	Mrs. A. Santosh Kumari, Asst. Professor	Expert Lecturesdelivered- 05

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 generatedrevenue to the tune of **Rs.2.13 Crore** from consultancy works duringJuly 2020 to August 2021.Further,JNTUH Constituent Colleges/Units generated the revenue of **Rs. 34.00 Lakhs**.

9.0   UGC – HUMAN RESOURCE DEVELOPMENT CENTRE ACTIVITIES

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

The UGC-Human Resource Development Centre organizes:

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

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

The UGC-HRDC, JNTUH works to enhance the quality of teaching, stimulateresearch and scholarly activities by facilitating an enriched academic environment integrated with instructional technologies.   It continually

supportand empower 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 organisesAICTE 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 subject 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 and innovative methods of training for effective delivery of the courses.

The UGC Human Resource Development Centre of JNTUH has been supporting current digital pedagogies and organizing several programmes through online. During this pandemic time, for creating active teaching learning environment and to explore the online Open Educational Resources and other Digital tools, the HRDC of JNTUH has conducted Online Workshops on "Online Tools and Software for Remote Teaching Learning" and also on different disciplines to the faculty members of Engineering and Degree Colleges, all over India. Incorporated fully Automation and Management Information System for Centralized Data Management in HRDC portal. The HRDC has included Interactive Teaching Learning Methods like Project Based Learning, Case Studies Based Learning, Interactive Game Based Learning, Group Discussions, Yoga practical sessions, Universal Human Values Sessions etc., in all the courses. Provides hands-on training to the participants with the experts in the field in emerging areas, to enhance the practical knowledge.

The UGC-HRDC, JNTUH organized **8** Faculty Induction Programmes, **15** Refresher Courses, **23** Short Term Courses, **3** Workshops and **3** Webinars and

11 AICTE sponsored Faculty Development Programmes, a total of **63** Courses and trained total number of **4,950** teacher participants, during the period from July 2020 to December 2021.

Courses organized by UGC-HRDC, JNTUH during the period from 1st July 2020 to 31stDecember 2021:

S. No	Title of the Program	Schedule	No. of Participants
1.	Webinar on "NAAC Assessment and Accreditation Process"	3rd July 2020	612
2.	FDP on "AI Techniques to Electrical Engineering"	6th – 10th July 2020	132
3.	STC on "MOOCs, e-Content Development and Open Educational Resources"	13th – 18th July 2020	261
4.	STC on "Outcome Based Education – Curriculum Design, Teaching Learning and Assessment Strategies"	21st – 27th July 2020	130
5.	Webinar on "Prospects and Challenges of Engineering Graduates Post COVID"	05th August 2020	200
6.	Faculty Induction Program – I	03rd Aug. to 10th Sept. 2020	40
7.	Refresher Course on "Internet of Things"	07th to 19th Sept. 2020	60
8.	STC on "Deep Learning"	14th to 19th September 2020	23
9.	STC on "Clinical Pharmacy &Pharmaco Therapeutics in Healthcare"	14th to 19th Sept. 2020	35
10.	STC on "Academy – Industry Collaboration Development for Pharmaceutical Research"	21st to 26th September 2020	23
11.	Faculty Induction Program – II	21st Sept. to 29th Oct. 2020	44
12.	Refresher Course on "Soft Computing Techniques – Electrical Engineering"	05th to 20th Oct. 2020	20
13.	STC on "MATLAB Applications for Applied Science & Engineering Problems"	12thto 19thOct. 2020	45
14.	Refresher Course on "Drug Discovery and Formulation Development"	12thto 27thOct. 2020	59

15.	STC on "Soft Skills and Professional Ethics"	02nd to 07th Nov. 2020	57
16.	Refresher Course on "English Language Teaching"	09th to 23rd Nov. 2020	60
17.	Refresher Course on "Artificial Intelligence"	09th to 23rd Nov. 2020	40
18.	STC on "Recent Trends in Pharmaceutical Formulation Development & Packaging"	23rd to 28th Nov. 2020	20
19.	Faculty Induction Program – 3	02nd Nov. 2020 to 08th Dec. 2020	45
20.	Refresher Course on "Materials Physics and Materials Science"	07th to 21st Dec. 2020	89
21.	Refresher Course on "Blockchain Technology"	07th to 21st Dec. 2020	27
22.	STC on "Nanomaterial Characterization Techniques"	04th to 09th Jan. 2021	39
23.	STC on "Data Warehousing & Data Mining"	04th to 09th Jan. 2021	51
24.	STC on "Effective Academic Administration"	04th to 08th Jan. 2021	30
25.	STC on "Value Education"	25th Jan. to 01st Feb. 2021	55
26.	One Day Workshop on "Role of Technical Institutions to Adapt the National Education Policy-2020"	30th Jan. 2021	161
27.	One Day Workshop on "National Institutional Ranking Framework (NIRF) for Higher Educational institutions"	06th Feb. 2021	213
28.	Faculty Induction Program - 4	10th Feb. to 19th March 2021	40
29.	Refresher Course on "Power Systems"	01st to 16th March 2021	21
30.	Refresher Course on "Systems and Signal Processing"	01st to 16th March 2021	28
31.	Refresher Course on "Novel Therapeutic approaches in Drug Discovery & Development against Pandemic Diseases"	01st to 16th March 2021	40
32.	STC on "Machine Learning"	15th to 20th March 2021	27

33.	Faculty Induction Program (for Assistant Professors (Contract) of Constituent Colleges of JNTUH	28th June to 04th August 2021	44
34.	STC on "Artificial Intelligence and Machine Learning"	28th June to 03rd July 2021	220
35.	Faculty Induction Program – 5	12th July to 18th Aug. 2021	43
36.	Refresher Course on "Drug Discovery and Drug Development and Analytical Interpretation of Data in Pharmaceutical Research"	12th to 26th July 2021	79
37.	STC on "Cyber Security and Forensics"	26th to 31st July 2021	36
38.	Refresher Course on "Internet of Things"	09th to 24th of August 2021	57
39.	Refresher Course on "Contemporary Development Trends in Materials Science and Engineering"	09th to 24th of August 2021	37
40.	Webinar on "Advocacy Programme on Competition Law"	28th August 2021	40
41.	STC on "Modern Methods in Organic Synthesis and Analytical Techniques"	30th August to 06th Sept. 2021	32
42.	STC on "Deep Learning"	30th August to 06th Sept. 2021	30
43.	Faculty Induction Program - 6	30th Aug. to 08th Oct. 2021	44
44.	STC on "Recent Advances in Renewable Power"	13th to 18th Sept. 2021	30
45.	Refresher Course on "Artificial Intelligence and Machine Learning"	13th to 25th Sept. 2021	62
46.	STTP on "Advanced Machine Learning Algorithms"	20th to 25th Sept. 2021	137
47.	STTP on "New Technology Development of Advanced Drug Delivery in Life Threatening Diseases"	20th to 25th Sept. 2021	154
48.	STTP on "Latest Trends and Challenges in Electric Vehicle Technology and Battery Management Systems"	4th to 12th Oct. 2021	142
49.	STTP on "Blockchain and its Applications"	4th to 12th Oct. 2021	140
50.	STTP on "Seismic Design of Multistory Buildings: IS 1893-2016"	4th to 12th Oct. 2021	96

51.	Faculty Induction Programme-7	25th Oct. to 1st Dec. 2021	36
52.	STTP on "Soft Skills and Professional Ethics"	25th to 30th Oct. 2021	33
53.	STTP on "3D Printing for Sustainable Development"	25th to 30th Oct. 2021	142
54.	Workshop on "AICTE Quality Initiatives and Funding Opportunities"	29th Oct. 2021	90
55.	STTP on "Covid-19 Data Analysis with Deep Learning"	8th to 15th Nov. 2021	94
56.	STTP on "Teaching English"	8th to 15th Nov. 2021	73
57.	Refresher Course on "AI Techniques - Electrical Engineering"	22ndNov. to 4th Dec. 2021	36
58.	STC on "Principles, Synthesis and Characterization of Nanotechnology – Current and Future approaches"	22nd to 27th Nov. 2021	36
59.	STTP on "Digital Resource Management in Libraries"	29th Nov. to 4th Dec. 2021	56
60.	STTP on "Role of Statistics in Machine Learning and Data Science"	29th Nov. to 4th Dec. 2021	90
61.	STC on "Effective Academic Administration for administrative staff of Universities and Colleges"	6th to 9th Dec. 2021	50
62.	STC on "E-Content Development and Online Pedagogy"	13th to 18th Dec.2021	34
63.	Robotics and its applications	20th to 27th Dec. 2021	30

10.0 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), College of Engineering, Jawaharlal Nehru Technological University 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 various programs to foster the Entrepreneurial spirit amongst the technically qualified Graduates & Post-Graduates from the Faculty of Science, Engineering & Technology and Pharmacy. This is carried out by conducting **Entrepreneurship Awareness Camps** (EACs), which can be both general and technically-specific in nature, over 3-Day duration.

An extended version of the EACs is the **Entrepreneurship Development Programs** (EDPs) which runs for a duration of 2 to 4-weeks. The aim of both the programs is to apprise the participants about the various Entrepreneurial opportunities that are existent and the support they can derive from EDC and all the agencies/ organizations which work with us. Participants of the EDPs are usually counseled and a follow-up mechanism is in place to track their progress in their respective projects.

As part of the 'Train-the-Trainer' concept, to further infuse the spirit of Entrepreneurship amongst the students of Science & Technology, EDC also has been conducting **Faculty Development Programs** (FDPs) for the benefit of the Faculty of the various Private Engineering Colleges under the purview of

JNTUH. Participation is also invited from all over the country. The FDPs are for a duration of 2-weeks, to trainthe Faculty who in turn help promote the cause of Entrepreneurship in the Institutions where they are employed.

Entrepreneurship Development Cellhas organized more than hundred 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 more than 13,600 participants from various streams of Science, Engineering/Technology &Management and 24 Faculty Members of JNTUH participated in the programs.

MSME-TBI Incubation: The Innovative Idea Proposals Submitted to MSME-TBI for financial year 2020-21

S. No.	Name of the Incubate	Idea	Proposed Fund (Rs. in Lakhs)
1.	Mrs.B. Lakshmi	Waste Plastic to LPG	15.00
2.	Mr. Harshavardhan	Treating Phobias with Virtual Reality	15.00
3.	Mr.Krishna Dutt	Timer Flame Control for Cooking Gas Stoves	15.00
4.	Dr. D. Bhagawan	Treatment of wastewater usingmovable Electrochemical reactor	15.00
5	Mr. Madhav Sai Reddy	Design of water faucet to improve water utilization	15.00
6.	Mr.Rajagopal	Fuel Efficiency Improvement by using Close Loop Control System for Engine Thermal Management & Supplementing HHO gas on Diesel & Petrol engines	15.00
7.	Mr.Sandeep Kumar	Digital gas Cylinder Trolley	15.00
8.	Mr.Srikar	Smart Ambulance and Traffic Management	15.00
9.	Mr. Srujana	Design of Robot for solar panel cleaning	15.00
10.	Mr. Viswanath	Back Pack to avoid back pain	15.00
		Total:	**150.00**

The Successful Innovative Ideas Shortlisted and Selected for the year 2020-21:

S. No.	Name of the Incubate	Idea	Proposed Fund (Rs. in Lakhs)

1.	Dr. Bhagawan	Development of mobile Electro-chemical reactor	11.90
2.	Mr. Viswanadh	Ergonomically designed backpack to avoid back pain, fatigue and to reduce impact on spine during accidents	12.75
		Total:	**24.65**

List of Programs Conducted by ED Cell JNTUH For the FY2020-21

S. No.	Program Name	Chief Sponsor	Conducted at	Participants
1.	Internet of Things	TEQIP-III	28th Sept. to 10th Oct. 2020, JNTUH CEH, Hyd.	199
2.	Online ProgramEntrepreneurship Awareness Camp(EAC)	ED CELL JNTUH	8th and 9th January 2021, JNTUH	50
3.	OnlineEntrepreneurship Development Program (EDP)	EDII-DST-NIMAT Project	03rd to 30th March 2021, JNTUH CEH, Hyd.	50
			Total	**334**

11.0 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 Courses. The amount mentioned in the following table has been granted for the Infrastructural Development to the Constituent Colleges of JNTUH.

11.1 Works Completed

S.No.	Name of the Campus	Details of Infrastructure Works	Amount (in Rs. Lakhs)
1.	University Main Campus	Providing water delivery from water grid with provisions of pumps & solenoids valves for clean water pumping and miscellaneous works in the sewage Treatment Plant at JNTUH, Kukatpally, Hyderabad.	40.53
2.		Strengthening and providing renewal wearing course to the internal roads at JNTUH Hyderabad	120.00
3.		Renovation of existing overhead distribution transformer yards with new Ring Main Unit (RMU)	130.00

S.No.	Name of	Details of Infrastructure Works	Amount (Rs. in
		Distribution Transformer yards at JNTUH, Kukatpally, Hyderabad.	
4.		Providing fencing with chain link mesh around compound wall from Examination building to A3 type staff quarters at JNTUH, Kukatpally, Hyderabad.	40.00
5.		Providing office work stations in Account Section at first floor of Administrative Building at JNTUH Campus, Kukatpally, Hyderabad	9.78
6.		Providing painting in water leakage rooms and renovation of toilets and conversion of existing toilet space into dormitories in boys hostel at JNTUH, College of Engineering, Kukatpally, Hyderabad.	14.36
7.		Providing Dome to SIT Building at JNTUH, Kukatpally, Hyderabad.	40.00
8.		Construction of extension Block for Girls Hostel at JNTUH, College of Engineering Jagtial, Karimnagar District.	1000
9.	JNTUH CEJ	Construction of extension Block for Boys Hostel at JNTUH, College of Engineering Jagtial, Karimnagar District.	1000
10.		Providing MS welded mesh grills to openings of academic block-I at JNTUH College of Engineering Jagtial, NachupallyKondagattu, Jagtial District.	9.75
11.		Providing internal painting for lobbies, corridors and staircases for Academic Block-I of JNTUH CEJNachupally, Kondagattu, Jagtial District.	7.75
12.		Construction of open drains and rain water harvesting pits in JNTUH College of Engineering Manthani campus, Ramagirimandal, pannur village, Peddapalli District.	74.00
13.	JNTUH CEM	Laying 300 mm diaRCC pipe for sewer line from JNTUHCEM to natural drain near Horticultural polytechnic college at JNTUH college of Engineering Manthani campus Ramagirimandalpannur village peddapalli District.	40.00
14.	JNTUH CES	Providing of SCADA System for 4 MW solar power plant at JNTUH College of Engineering, Sulthanpur.	13.60
		TOTAL	**2539.77**

11.2 Works in Progress

S.No.	Name of	Details of Infrastructure Works	Amount (Rs. in

	the Campus		Lakhs)
1.	University Main Campus	Conversion of A1 & B1 block building to P.G Girls Hostel at JNTUH, Kukatpally, Hyderabad	705.00
2.		Providing maintenance works in RSQ-1 quarters at JNTUH, Kukatpally, Hyderabad	16.70
3.		Providing maintenance works in RSQ-2 quarters at JNTUH, Kukatpally, Hyderabad	11.60
4.	JNTUH CEJ	Laying of CC road in front of entrance gate at JNTUHCollege of Engineering Jagtial, NachupallyKondagattu Jagtial District.	14.50
5.		Providing fly proof mesh to corridors of Boys Hostel and Girls Hostel in JNTUH College of Engineering Nachupally, Kondagattu Jagtial District.	64.10
		TOTAL	**811.90**

11.3 **New Additional Equipment**was Procured for **Rs. 65.87 Lakhs.** The details are as follows:

JNTUH College of Engineering Hyderabad

S.No.	Dept.	Name of the Laboratory	Details of Equipment/Software	Cost (Rs. in Lakhs)
1.	EEE	Power Converter Application Lab	Hybrid Energy storage system, Conversion system, Converters, FPGA Controllers, Motors, DSO	30.00
2.	ME	ICS Lab	Sustain Gauge Measuring Instrument for the measure of Torque	0.98
3.			Study at McLeod Gauge setup with Vacuum Gauge	
4.			Speed Measurement by Trainer	
5.	Mett.	Class Room	Dual Desks	2.35
6.	Chem. Engg.	Fluid Mechanics Lab	Rotameter	0.35
7.			Drag Co-Efficient Apparatus	0.44
8.		Mechanical Operations Lab	Froth Floatation Cell	0.6
9.		Instrumentation & Processes Control lab	Dynamics of Thermocouple & Thermometer	0.35
10.			Time Constant Measurement in Manometer	0.32

11.		Chemical Reaction Engineering Lab	Isothermal Batch Reactor	0.38
12.			Mass Transfer With & Without Chemical Reaction	0.44
13.		For all Laboratory Purpose	RO System	1.36
			Total	**37.57**

JNTUH College of Engineering Jagtial

1.	ECE	ADC Lab	DSO, 2-Channel& 4-Channel	1.97

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1.	CEN	--	10 High End Desktop Systems	13.00
2.	CCST	Pyrolysis Experimental setup	Studies on Bio-oil and bio-char Production Pyrolysis of karanja Biomass	1.30
3.	CNST	Nano-Energy R&D Lab	BET Analyzer	16. 95
			Electrode Fabrication set-up	12.03

12.0   COLLEGE PLACEMENT UMBRELLA

College Placement Umbrella (CPU) is a newly established unit by JNTUH in August 2020 to help and support placement activities of the University Constituent/Affiliated colleges.

Objectives of CPU are to:

➢ Work closely with Training and Placement Officers of all University colleges

➢ Understand TPOs' challenges and address them

➢ Help their students to seamlessly connect with the Industry

➢ Work with UGC-HRDC and Industry to improve Faculty Development Programs

➢ Work with UIIC and Industry to help bridge the gap between Industry and Academia

13.0   CENTRE OF EXCELLENCE IN CYBER SECURITY

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

Objectives are:

- To create an awareness in cyber security at Students, Faculty and also Society level.

- To provide Trainings & internships for the students in the field of Cyber Security to make them job ready.

- To train the faculty, intern they train other faculty as well as students.

- To identify research gaps in the field of cyber security and provide an environment for the researchers & students to develop solutions.

Events Organized:

S. No.	Title of the Program	Date
1.	A Two-day Faculty Development Program on "Cyber Security & Forensics".	7th & 8th July 2020
2.	A 15-day Online Faculty Development Program on "Cyber Security".	24th August to 9th September 2020
3.	10-day workshop on "Cyber Security & Forensics"	30th March 2021 to 9th April 2021
4.	12 – Week Online Internship Program on "Cyber Security & Forensics"	28th June 2021 to 18th September 2021

14.0 RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)

RUSAis a Centrally Sponsored Scheme launched in 2013 aims at providing strategic funding to eligible state higher educational institutions. The central funding (in the ratio of 60:40 for general category States, 90:10 for special category states and 100% for union territories) would be norm based and outcome dependent. The funding would flow from the central ministry through the state governments/union territories to the State Higher Education Councils before reaching the identified institutions. The funding to states would be made on the basis of critical appraisal of State Higher Education Plans, which would

describe each state's strategy to address issues of equity, access and excellence in higher education.Total Grant of **Rs. 20 Crore** was received.

The Expenditure details are given below:

- Creation of New Constructions - **Rs. 566.61Lakhs**
- Renovation/Upgradation of Existing Facilities - **Rs. 668.52 Lakhs**
- Works Allotted from the Unspent Balance - **Rs. 44.80 Lakhs**
- Procurement of Equipment, Computers, Books etc. - **Rs. 585.67Lakhs**

15.0   ALUMNI ACTIVITIES

JNTUH College of Engineering Hyderabad

Construction of Alumni Association Building with central facilities for the benefit of students, faculty and alumni activities which will be entirely funded by the Alumni Association of JNTUH.

Alumni Members providing student fellowships/scholarships, Medals etc.

- Mr.Suresh Chappidi, President & CEO, Worldvision Technologies Inc., Metallurgical Engg. (1989-1993 batch) instituted Gold Medal on the name of Suresh Chappidi Foundation to the topper of Metallurgical Engg.
- Ms. Surekha Pailla, B. Tech. 1998-2002 batch contributed **Rs. 2.00 Lakhs** towards Student Scholarships.
- Mr. Raj Gorla, B.Tech. CSE 1996-2000 batch contributed **$ 500.00** towards Student Projects and Scholarships.
- Mr. M. Ravichandra, B.Tech. ECE 1989-93 batch, contributed **Rs. 10,000/-** towards Student Scholarships.
- Alumni members distributed Rs. 10,000/- cash prize to the toppers of each year students for AY 2019-20.

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Events Organized:

- A meeting of the Alumni members was conducted online.

- Dr. G. Venkata Ramana, Co-Founder & CTO, Nanospan India Pvt. Ltd., Hyderabad, delivered guest lecture on "Approaches to Nano Electronics and its applications" on 7th September2020 at CNST, IST, JNTUH.

- Dr. Ashok Chinthakuntla,Nanospan India Pvt. Ltd., delivered invited talk in online mode on "Overview of Synthesis of Nanostructures for Industrial Applications" for M.Tech. 2020 batch I semester students on 01[st]March 2021 at CNST, IST, JNTUH.

School of Management Studies, JNTUH

Events Organized:

- ERP Finance Training by Distinguished Alumni Mr. Harish Kappala, Senior Manager, Group Finance Excellence WS Audiology on 6th February 2021.

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

Career Guidance & Training Programs:

- Conducted a seminar on "Power of Synergy" by Ms. Kiran Dutt Pendyala, Global HR Head, Western Digital for the Directors, Principals and Training & Placement Officers on 7th December 2020.

- Negotiated with HYSEA and got Rs. 2.00 lakhs sponsorship for a student hackathon, 60+ colleges & 2200 students participated. A jury of 25 JNTUH faculty members evaluated and an industry jury panel finalized top 5 teams of 12 students. Winners were rewarded with internships on 11th December 2020 at JNTU-Hyderabad by Hon'ble Vice-Chancellor.

- Organised 'Employability' Training Program by Mr. M. Avanish, CEO, Cantilever Systems on 5th Feb. 2021 for all constituent colleges and units.

- Organised a seminar on 'Future Skills' with an Industry expert Mr. Vijay Banda dated on 17th February 2021 for all constituent colleges and units.

- Organized a seminar on 'Power of Synergy' for Training & Placement Officers of Khammam cluster colleges on 5th March 2021.

- Conducted Webinar on "Key Skills for Placements – Future Skills" by Mr. Vijay Banda, Senior Director of Cyber Security, QUALCOMM on 6th September 2021 for final year students of all affiliated colleges under 'Campus to Corporate'program.

- Organized Webinar on "Inevitable Hackathons" by Ramesh Loganathan, Prof. Co-innovation/Outreach, IIIT Hyderabad on 7th September 2021, for final year students of all affiliated colleges under 'Campus to Corporate'program.

- Conducted Webinar on "Invaluable Internships" by Mohamed Abdullah, Chief Mentor, CONDUIRA on 8th September 2021 for final year students of all affiliated colleges under 'Campus to Corporate'program.

- Organized a Webinar on "Etiquette for Professional Engineers"for final year students of JNTUHCES on 9th September 2021,under 'Campus to Corporate'program.

- Conducted Webinar on "Attitude, Skill and Knowledge for Employability" for final year students of JNTUHCEM on 9th September 2021under 'Campus to Corporate'program.

- NASSCOM Orientation Program was organized for first batch of onboarded students on 3rd December 2021 in online mode. More than 600 students from various constituent and affiliated colleges participated.

- A one-day workshop on 'Aptitude and Reasoning' is organized on 21st December 2021 at JNTUH College of Engineering Sultanpur for students of 3rd and 4th years. Mr. Anil Nair, ex-employee of Infosys and Trainer for all competitive examinations, is the resource person.

- A one-day workshop on 'Aptitude and Reasoning' is organized on 22nd December 2021 at JNTUH College of Engineering Manthani for students of 3rd and 4th years. Mr. Anil Nair, ex-employee of Infosys and Trainer for all competitive examinations, is the resource person.

- A one-day workshop on 'Aptitude and Reasoning' is organized on 23rd December 2021 at JNTUH College of Engineering Jagtial for students of 3rd and 4th years. Mr. Anil Nair, ex-employee of Infosys and Trainer for all competitive examinations, is the resource person.

Placement Drives & Internship Fairs:

- Mega Internship Fair is conducted in collaboration with HYSEA with 1000 internships on offer. 14,000 registrations received from various colleges. Launch of Mega Internship Fair 2021 was done with a panel discussion on "Are We Bridging the Gap Right?" on 7th August 2021. Esteemed panel members are*Dr. A Govardhan,* Prof. of CSE&Rector, JNTUH,*Mr. Srikant Sinha,* CEO - TASK, *Mr. Vinay Agrawal,* Vice President, Business HR-Tech Mahindra, *Ms. Manisha Saboo,* Associate Vice President & Delivery Head, Infosys and *Mr. Prakash Yalla Veera,* Technology Transfer Officer & Head, IIIT, Hyderabad and*Mr. V. Laxmikanth*, Managing Director, Broadridge (India) graced the occasion as Chief Guest.

- As a part of Golden Jubilee Celebrations of JNT University, Hyderabad, UIIC organized a MEGA JOB MELA on 6th December 2021. Total **39**companies participated and around 20,000 unemployed youth registered online to participate. Approximately 7500 candidates have turned up to attend the face-to-face interviews and more than **2,000**candidates were offered jobs for different roles.

- As a part of Golden Jubilee Celebrations of JNT University, Hyderabad, UIIC organized a MEGA JOB FAIR on 18th& 19thDecember 2021. Total **144** companies participated and around 65,000 unemployed youth registered online to participate. Among the 61,000 candidates attended, more than **15,000**got selected for different job profiles.

Memorandum of Understanding (MoU):

As a part of Golden Jubilee Celebrations of JNT University, Hyderabad, UIIC organized JNTUH-NASSCOM MoU Exchange & Orientation program on NASSCOM FUTURESKILLS PRIME on 20th November 2021.

Placement Details for the Academic year 2020-2021

No. of Companies	No. of student Participated	No. of Student Placed	Minimum Package	Maximum Package
184	1315	1029	3.5 LPA	27.50 LPA

Placement Details for the Academic year 2021-2022 (till 31st Dec. 2021)

No. of Companies	No. of student Participated	No. of Student Placed	Minimum Package	Maximum Package
164	1325	871	3.35 LPA	41.00 LPA

16.0   CAMPUS PLACEMENTS

JNTUH-Training and Placement Cell conducted job fairs in all the districts of Telangana State. Many students from Constituent and Affiliated Colleges of JNTUH were selected by various companies through campus placements. The

companies that offered placements areMathWorks, Oracle-Netsuite, Pega Systems,Barclays, Amazon, Verizon, Teradata, Accenture, Oracle, and **70**other reputed MNCs and Industries.

The campus placements are very encouraging in all branches of UG, PG and IDP programs. **919**students of JNTUH Constituent Colleges/Units were placed so far during campus interviews for the academic years 2020-21 and 2021-22. Average salary offered was **Rs. 4.47 LPA**, highest being **Rs.41.00 LPA.** The details are given below:

JNTUH College of Engineering Hyderabad

Name of the Program	Name of the Branch/ Specialization	No. of Students Placed
B.Tech.	Civil Engineering	10
	Electrical & Electronics Engg.	28
	Mechanical Engineering	54
	Electronics &Comn. Engg.	39
	Computer Science &Engg.	51
	Chemical Engg.	20
	Metallurgical Engineering	31
B.Tech. (IDP)	Civil Engineering	04
	Electrical & Electronics Engg.	07
	Mechanical Engineering	03
	Electronics &Comn. Engg.	11
	Computer Science &Engg.	10
M.Tech.	Advanced Manufacturing Systems	03
	Computer Science &Engg.	07
	Cyber Forensics & Information Security	08
	Digital Systems and Computer Electronics	02
	Embedded Systems	06
	Engineering Design	05
	Electrical Power Engineering	01
	Power Electronics	02
	Systems and Signal Processing	06
	Thermal Engineering	07
MCA	Master of Computer Applications	23

JNTUH College of Engineering Jagtial

B.Tech.	Mechanical Engg.	21

	Electrical & Electronics Engg.	34
	Electronics & CommunicationEngg.	72
	Computer Science &Engg.	90
	Information Technology	96

JNTUH College of Engineering Manthani

	Civil Engg.	05
	Electrical & Electronics Engg.	13
B.Tech.	Mechanical Engg.	10
	Computer Science &Engg.	38
	Mining Engineering	03

JNTUH College of Engineering Sultanpur

	Civil Engg.	05
	Computer Science &Engg.	27
B.Tech.	Electronics &Comn. Engg.	53
	Mechanical Engineering	08
	Material Science & Nanotechnology	02

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	Biotechnology	03
	Environmental Management	07
	Environmental Geomatics	02
M.Tech.	Nanotechnology	07
	Spatial Information Technology	02
	Water and Environmental Technology	05
	Pharmaceutical Analysis	03
M. Pharmacy	Pharmacognosy	09
	Pharmaceutics	02
M.Sc.	Biotechnology	03
	Microbiology	06

School of Information Technology, JNTUH

	Computer Networks & Information Security	02
	Computer Science	07
M.Tech.	Data Sciences	10
	Software Engineering	01
MCA	MCA	14

School of Management Studies, JNTUH

MBA	Marketing	11

	Finance			10

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

A totalof **134**Students got qualified in

theGATE/GPAT/CAT/NET/GRE/TOEFL/IELTS exams.

JNTUH College of Engineering Hyderabad

S. No.	Name of the Student/ Team	Year of Study	Name of the Prize/ Award/ Medal Received	Awarding Institution/ Organization
1.	Garikapati A Lumbini	B.Tech. EEE (IV/IV)	Secured second position in SRUJANA Tech Fest	--
2.	Srimannarayana Bheemanpally		Smart India Hackathon 2020	MHRD & AICTE
3.	JahnaviKollu		Bagged merit place in Poster presentation in PRAGNYA 2020	JNTUH, IIT Madras
4.	Arhab Ahmed		4×100 relay - Silver Silver medal in football	--
5.	Roshini Maram	B.Tech. EEE (III/III)	• Selected as a GDSC Lead for JNTUH CEH for the year 2021-22 • Got recognized as the best content writer in startups like WEBUD, YIR • Recognized as the best voiceover for an advertisement of a brand-named LAST BAG	JNTUH, Google Developers Club
6.	T. Pavani, Rajashekar, Harshitha	B.Tech. ECE (IV/IV)	IEEE India Covid Move Online Hackathon	IEEE
7.	G. Nithish		Hackathon	--
8.	Srinija		TOYCATHON – First Place	AatmaNirbhar Bharat Abhiyan
9.	Team of B.Tech III yr	B.Tech. ECE (III/III)	Global IEEE Conference – Best Paper Award	HYDCON
10.	Nishitha Dasari		Seminar - Best Paper Award	TKR CET
11.	Manmada		For the community	Maven

	Shirisha			Silicon
12.	A. Vishwas Reddy	B.Tech. CHEM. (IV/IV)	Best Merit Student Award	IICE, Hyderabad
13.	V. Kamya, R. Sahiti Krishna, A. Sai Anirudh		1st Prize in Tech Quiz	
14.	R.Sahiti Krishna		3rd Prize in Elocution	

18.0 STUDENTS TECHNICAL SYMPOSIUMS ORGANIZED BYCOLLEGE/DEPARTMENT/CENTRE

JNTUH College of Engineering Hyderabad

S.No.	Dept.	Name of the Event	Date(s) of Event	No. of Students Participated
1.	CE	Symposium on Geo-Practices - 2020	28th November 2020	105
2.	Mett.	'SMRUTHI 2021' a memorial sports event organized by students of Metallurgical Engineering Dept. in name of Late. M. Swathi (07011A0630)	10thDecember 2021	200

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1.	SMS	Ad Mad Show	21st Sep. 2021	51

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 the NSS is well doctrined in this motto, which underlines the belief that the welfare of an individual is ultimately dependent on the welfare of the society on the whole and therefore, the NSS volunteers shall strive for the well-being of the society.

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

S. No	Name of the Activity	Name of the Hosting College	Date of Activity	Organized by
1.	Constitution Day	Mahatma Gandhi Institute of Technology	26th Nov. 2020	NSS Cell, JNTUH
2.		MRM College of Pharmacy		
3.		Sultan–Ul-Uloom College of Pharmacy		
4.	Helping People in Flood Affected Areas in Hyderabad	T.K.R. College of Engineering and Technology & State NSS Office, Higher Education Department, Telangana	20th Oct. 2020	NSS Cell, JNTUH
5.	Lecture on Fundamental Duties Article	MRM College of Pharmacy	--	NSS Cell, JNTUH
6.	National Education Policy Awareness program	NSS Cell, JNTUH	19th Sep. 2020	NSS Cell, JNTUH
7.	NSS Day	Sri Sairam Engineering College, Tamilnadu	24th Sep. 2020	NSS Cell, JNTUH
8.	Republic Day Parade Camp – 2021	--	13th Nov. 2020	NSS Units of JNTUH
9.	Rashtriya Ekta Diwas Pledge - 2020	T.K.R. College of Engineering and Technology	31st Oct. 2020	NSS Cell, JNTUH
10.	Lecture on Spiritual & Emotional Quotient over Intelligent Quotient	The Maharaja Sayajirao University, Kalabhavan, Vadodara	27th Sep. 2020	NSS Cell, JNTUH
11.	"Rethinking Education – A Journey through Inner Transformation"	AICTE & ART of Living	18th February 2021	NSS Cell, JNTUH
12.	Programme on Corona Virus	25 NSS Units Under JNTUH	1st May to 31st July 2021	NSS Cell, JNTUH
13.	Plastic Challenge	JNTUH, NSS Cell &	29th May	NSS Cell,

			2021	JNTUH
	(Tide Turners Plastic Challenge)	(WWF India in partnership with UN environment and MoEFCC, Govt. of India)		
14.	National Anti-Terrorism Day	MLR Inst. of Technology	21st May 2021	NSS Cell, JNTUH
15.	Virtual Green Teachers Training Programme	Telangana State Pollution Control Board, Environment Protection training & Research Inst., JNTUH	02nd June 2021	NSS Cell, JNTUH
16.	International Yoga Day	JNTUH Campus and NSS Units of JNTUH	21st June 2021	NSS Cell, JNTUH
17.	Haritha Haram as per the instruction of Telangana State	JNTUH Campus and NSS Units of JNTUH	1st June to 31st July 2021	NSS Cell, JNTUH
18.	Haritha Haram as per the instruction of Telangana State	JNTUH Campus and NSS Units of JNTUH	July to August 2021	NSS Cell, JNTUH
19.	COVID - 19	JNTUH Campus and NSS Units of JNTUH	July to August 2021	NSS Cell, JNTUH
20.	India Freedom Run - Azadi Ka Amrit Mahotsav Report	JNTUH Campus and NSS Units of JNTUH	14th Aug. 2021	NSS Cell, JNTUH
21.	Cheering slogans for Indian Olympic Team	JNTUH Campus and NSS Units of JNTUH	23rd July 2021	NSS Cell, JNTUH
22.	Coronavirus vaccine run at JNTUH	JNTUH, 250 Volunteers participated	04th Sep. 2021	GHMC
23.	Coronavirus Vaccine run at JNTUH	JNTUH, 150 Volunteers participated	08th Sep. 2021	GHMC
24.	Republic Day Parade Camp - 2022	--	25th Sep. 2021	20 NSS Units of JNTUH
25.	Deputation of NSS Volunteers for program of Clean India	23 NSS Volunteers for the Inauguration program of Clean India	1st - 31st October 2021	Nehru Yuva Kendra Sangathan
26.	Bathukamma Celebrations	KG Reddy College of Engg. & Tech, 200	09th Oct. 2021	NSS Cell, JNTUH

S.No.	Title of the Activity	Details	Date	Organising Agency
		NSS Volunteers Participated		
27.	Rashtriya Ekta Diwas (National Unity Day)	1264 faculty members & 14500 Volunteers participated	31st Oct. 2021	NSS Cell, JNTUH and 145 NSS Units under JNTUH
28.	Free Vaccination for All - Conduct of Door-to-door Survey	39 faculty members & 1560 Volunteers participated	27th Nov. 2021	NSS Cell JNTUH & 39 NSS Units under JNTUH
29.	National Integration Camp at Maharishi Dayanand University, Rohtak	5 NSS units & 10 volunteers participated	19th - 25th Nov. 2021	Ministry of Youth Affairs & Sports, Govt. of India
30.	Door to Door survey "Free Vaccination Program for All"	80 program officers & 102 NSS units participated	27th Nov. 2021	NSS Cell JNTUH
31.	Communicable Diseases - Creating Awareness among Youth	135 program officers & 135 NSS units participated	28th Nov. 2021	NSS Cell JNTUH
32.	JNT University Level National Youth Festival	68 faculty members, 95 NSS units & 450 volunteers participated	12th Jan. 2022	NSS Cell JNTUH

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

JNTUH College of Engineering Hyderabad

S.No.	Title of the Activity	Organising agency/ Collaborating agency	Date of Activity	Number of students participated
1.	Haritha Haram	JNTUH CEH	12th Aug. 2021	100

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1.	Haritha Haram	School of Management Studies, JNTUH	31st July 2021	30

20.0 AWARD OF GOLD MEDALS

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

Autonomous Constituent Colleges for 2020-2021 Batch:

S.No	Gold Medal	H.T.No	Name of the Student	CGPA	College Name
1.	Best outgoing student of B.Tech. **Civil Engineering** from JNTUH College of Engineering, Hyderabad	17011A0151	Ms. G Yashoda D/o. Mr. G Bhaskar	9.04	01-JNTUHCE Hyderabad
2.	Best outgoing student of B.Tech. **Electrical & Electronics Engineering** from JNTUH College of Engineering Hyderabad.	17011A0201	Mr. Rathna Anjal Kumar S/o. Mr. RathnaMukundam	9.32	01-JNTUHCE Hyderabad
3.	Best outgoing student of B.Tech. **Mechanical Engineering** from JNTUH College of Engineering Hyderabad.	17011A0340	Ms. PeddammaVishwaja D/o. Mr. Peddamma Samba Murthy	9.29	01-JNTUHCE Hyderabad
4.	Best outgoing student of B.Tech. **Electronics & Communication Engineering** from JNTUH Hyderabad.	17011A0423	Ms. Annareddy Sai Joshitha D/o. Mr. A Sreenivasa Reddy	9.33	01-JNTUHCE Hyderabad
5.	Best outgoing student of B.Tech. **Computer Science & Engineering** from JNTUH College of Engineering, Hyderabad.	17011A0526	Ms. Kamani Ramya D/o. Mr. Kamani Ravinder	9.41	01-JNTUHCE Hyderabad
6.	Best outgoing student of B.Tech. **Metallurgical Engineering** from JNTUH College of Engineering, Hyderabad.	17011A0614	Mr. Peri Bala Kameshwar S/o. Mr. Peri Kameshwara Sharma	8.68	01-JNTUHCE Hyderabad
7.	Best outgoing student of B.Tech. **Chemical Engineering** from JNTUH College of	17011A0850	Mr. Akavaram Vishwas Reddy S/o. Mr. A	8.87	01-JNTUHCE Hyderabad

	Engineering, Hyderabad.		Venkatram Narsimha Reddy		

Non-Autonomous Constituent Colleges for 2020-2021 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.	17VD1A0112	Ms. Merugu Karishma D/o. Mr. MeruguSarangapa ni	8.10	VD - JNTUH College of Engineering, Manthani
2.	Best outgoing student of B.Tech. **Electrical & Electronics Engineering** from JNTUH Constituent colleges.	17JJ1A0246	Ms. Sreeja Gouda D/o. Mr. Parandamulu	8.49	JJ - JNTUH College of Engineering, Jagtial
3.	Best outgoing student of B.Tech. **Mechanical Engineering** from JNTUH Constituent colleges.	17JJ1A0306	Ms. Boda Srinidhi Yadav D/o. Mr. Boda Narender	8.36	JJ - JNTUH College of Engineering, Jagtial
4.	Best outgoing student of B.Tech. **Electronics & Communication Engineering** from JNTUH Constituent colleges.	17JJ1A0411	Ms. Farozan D/O. Mr. MohdAsmath Ali Fasahath	8.61	JJ - JNTUH College of Engineering, Jagtial
5.	Best outgoing student of B.Tech. **Computer Science & Engineering** from JNTUH Constituent colleges.	17SS1A0511	Ms. ChandampetaMok shitha D/o. Mr. C Rajendra Prasad	8.82	SS - JNTUH College of Engineering Sultanpur
6.	Best outgoing student of B.Tech. **Information Technology** from JNTUH Constituent colleges.	17JJ1A1244	Ms. NuneSrujitha D/o. Mr. NuneAnesh	8.48	JJ - JNTUH College of Engineering, Jagtial
7.	Best outgoing student of B.Tech. **Mining Engineering.** from	17VD1A2506	Mr. Barla Ganesh S/o. Mr.	8.44	VD - JNTUH College of

			BarlaPapaiah		Engineering, Manthani
	JNTUH Constituent colleges.				
8.	Best outgoing student of B.Tech. **Civil and Environmental Engineering** from JNTUH Constituent colleges.	17SS1A2824	Ms. Kaspa Akruthi D/o. Mr. K Amarender Rao	7.89	SS - JNTUH College of Engineering Sultanpur
9.	Best outgoing student of B.Tech. **Mechanical Engineering (Material Science and Nano Technology)** from JNTUH Constituent colleges.	17SS1A2927	Ms. Mudapaka Vimala Raja Priya D/o. Mr. MudapakaRamu	7.97	SS - JNTUH College of Engineering Sultanpur

Affiliated Colleges for 2020 - 2021 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.	17AG1A0123	Ms. Shravika.A D/o. Mr. Srinivasulu A. V.	8.93	AG - ACE Engineering College, Ghatkesar
2.	Best outgoing student of B.Tech. **Electrical & Electronics Engineering** out of all affiliated Colleges.	17891A0238	Ms. Namala Bhavishya D/o. Mr. Namala Srinivasa Rao	8.59	89 - Vignan Institute of Tech. & Science, Pochampally
3.	Best outgoing student of B.Tech. **Mechanical Engineering** out of all affiliated Colleges.	17891A0315	Mr. CherkuSaikumar S/o. Mr. CherkuJangaiah	8.65	89 - Vignan Institute of Tech. & Science, Pochampally
4.	Best outgoing student of B.Tech. **Electronics & Communication Engineering** out of all affiliated Colleges.	17RH1A04J3	Ms. RenatiVineetha D/o. Mr. Renati Venkata Lakshmaiah	9.06	RH - Mallareddy Engineering College for Women, G. Pochampally
5.	Best outgoing student of B.Tech. **Computer Science Engineering** out	17RH1A05M0	Ms. Surabhi Supriya	8.76	RH - MallareddyEng g. College for

			D/o. Mr. Surabhi Vidyasagar Rao		Women, G. Pochampally
6.	Best outgoing student of B.Tech. **Electronics & Instrumentation Engineering** out of all affiliated Colleges.	17891A1048	Ms. Vishnu Priya Kamarajugadda D/o. Mr. Bhaskara Rao Kamarajugadda	8.29	89 - Vignan Institute of Tech. & Science, Pochampally
7.	Best outgoing student of B.Tech. **Information Technology** out of all affiliated Colleges.	17251A12A0	Ms. GujjulaPreethika D/o. Mr. Gujjula Prabhakar Rao	8.75	25 – G. Narayanamma Inst. of Tech. & Sc. (for women), Hyderabad
8.	Best outgoing student of B.Tech. **Mechanical Engineering(Mechatronics)** out of all affiliated Colleges.	17261A1426	Ms. Jwala Lakshmi Sravya D/o. Mr. Jwala Rajani Kanth	8.28	26 - Mahatma Gandhi Inst. of Tech., Hyderabad
9.	Best outgoing student of B.Tech. **Electronics & Telematics Engineering** out of all affiliated colleges.	17251A1727	Ms. Swathi. M D/O. Mr. M.Anand Rao	8.35	25 – G. Narayanamma Inst. of Tech. & Sc. (for women), Hyderabad
10.	Best outgoing student of B.Tech. **Metallurgical & Materials Engineering** out of all affiliated colleges.	17261A1813	Ms. Karyampudi Venkata Sai Aishwarya D/o. Mr. Karyampudi Venkata Surendra Babu	8.98	26 - Mahatma Gandhi Inst. of Tech., Hyderabad
11.	Best outgoing student of B.Tech. **Aeronautical Engineering** out of all affiliated colleges.	17E31A2120	Mr. Mohammad Junaid Siddiqui S/o. Mr. Mohd Anwar Hussain	7.75	E3 - Mahaveer Inst. of Sc. & Tech., Bandlaguda
12.	Best outgoing student of **B.Pharmacy** out of all affiliated colleges.	17Z31R0050	Ms. Erra Mounika D/o. Mr. Erra Krishna Goud	8.51	Z3 - BojjamNarasimhulu Pharmacy College for Women, Saidabad

Endowment Gold Medals for 2020 -2021 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 in **Mathematics-I** in constituent and affiliated colleges.	17251A05E9	Ms. VeerannagariAkshita D/o. Mr. V Gopal Reddy	8.61	25 – G. Narayanamma Inst. of Tech. & Sc. (for women), Hyderabad
2.	**Late DVP Narasa Raju**Memorial Endowment Gold Medal for best outgoing **girl** student of **B.Tech (Electronics & Communication Engineering)** of JNTUH Engineering College, Hyderabad.	17011A0423	Ms. Annareddy Sai Joshitha D/o. Mr. A Sreenivasa Reddy	9.33	01-JNTUHCE Hyderabad
3.	**Prof. S.Tiruvengalam** Endowment Gold Medal for B. Tech. (**EEE**) best outgoing student of JNTUH College of Engineering, Hyderabad.	17011A0201	Mr. Rathna Anjal Kumar S/o. Mr. RathnaMukundam	9.32	01-JNTUHCE Hyderabad
4.	**Smt. M. Vedavathi**Gold Medal for best outgoing **Girl** student in **B. Tech. (Electronics & Communication Engineering)** in JNTUH constituent Colleges.	17011A0423	Ms. Annareddy Sai Joshitha D/o. Mr. A Sreenivasa Reddy	9.33	01-JNTUHCE Hyderabad
5.	**Vellanki Rama Rao**Memorial Gold Medal to be Awarded for best outgoing student of **B. Tech.(Civil Engineering)** in all constituent colleges of the University.	17011A0151	Ms. G Yashoda D/o. Mr. G.Bhaskar	9.04	01-JNTUHCE Hyderabad

6.	**PisupaatiSupriya Desai** Gold Medal to be awarded for B.Tech. best outgoing student in **(Electronics & Communication Engineering)** in JNTUH **affiliated** Colleges.	17RH1A04J3	Ms. RenatiVineetha D/o. Mr. Renati Venkata Lakshmaiah	9.06	RH - Mallareddy Engineering College for Women, G. Pochampally
7.	**Dr. Md. Vizarath Rasool Khan**Endowment Gold Medal to be awarded for **B. Tech (Computer Science Engineering)** 1st rank in the JNTUH affiliated Colleges.	17RH1A05M0	Ms. Surabhi Supriya D/o. Mr. Surabhi Vidyasagar Rao	8.76	RH - Mallareddy Engineering College for Women, G. Pochampally
8.	**Shadan Endowment**GOLD Medal to be awarded for securing 1st rank in **B.Pharmacy** JNTUH affiliated colleges.	17Z31R0050	Ms. Erra Mounika D/o. Mr. Erra Krishna Goud	8.51	Z3 - BojjamNarasimhulu Pharmacy College for Women, Saidabad
9.	**Sri Sankara Sastry Memorial**Gold Medal for best outgoing **MBA** regular student in JNTUH Constituent Colleges.	19031E0026	Ms. Madala Harika D/o. Mr. MadalaKamala kara Rao	7.42	03 - JNTUH SMS, 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.	19M61E0051	Ms. Mateti Swapna D/o. Mr. Mateti Chakrapani	8.30	M6 - Swarna Bharathi Institute of Science & Tech., Pakabanda
11.	**MC Consulting Engineers** gold medal to be awarded for the best outstanding and outgoing student of **B.Tech. (Civil Engineering)** from JNTUH CEH.	17011A0151	Ms. G Yashoda D/o. Mr. G Bhaskar	9.04	01-JNTUHCE Hyderabad

12.	**Sudir C Rao MDF**Gold Medal for the overall topper in **MCA** at School of Information Technology (SIT), JNTUH.	18031F0020	Ms. Kundharapu Meena D/o. Mr. KundharapuRajam	9.36	03 - JNTUH SIT, Hyderabad
13.	**Dr. Andra Naidu** Endowment gold medal for **B. Pharmacy** best outgoing student from Constituent and Affiliated Colleges of JNTUH.	17Z31R0050	Ms. Erra Mounika D/o. Mr. Erra Krishna Goud	8.51	Z3 - BojjamNarasimhulu Pharmacy College for Women, Saidabad
14.	**Arun Seshu Meritorious** Gold Medal to be awarded to the best student who stands top **among all branches of Engg. In B.Tech.** course of Study from JNTUH Constituent Colleges.	17011A0526	Ms. Kamani Ramya D/o. Mr. Kamani Ravinder	9.41	01-JNTUHCE Hyderabad
15.	**Late Dr Burgula Ramakrishna Rao** Endowment gold medal for best outgoing student Who secured **Ist Rank inB.Tech (All Branches) in All Constituent &Affiliated College** of JNTUH, Kukatpally Hyderabad.	17011A0526	Ms. Kamani Ramya D/o. Mr. Kamani Ravinder	9.41	01-JNTUHCE Hyderabad
16.	**Dr Shahnaz Bathual,**Endowment gold medal to be awarded for the best outgoing student scoring **highest average marks** in all **Mathematics related** subjects **among all branches of Engg. In B.Tech.** course from JNTUH Constituent Colleges.	17011A0534	Ms. BabbulaSpoorthi Raj D/o. Mr. BabbulaRajeshwar	8.76	01-JNTUHCE Hyderabad

S.No	Gold Medal	H.T.No	Name of the Student	CGPA	College Name
17.	**Dr. D. Seetha Mahalakshmi Memorial**Gold Medal for the Best Outgoing B.Tech. **graduate in the faculty of CSE**, JNTUH CEH	17011A0526	Ms. Kamani Ramya D/o. Mr. Kamani Ravinder	9.41	01-JNTUHCE Hyderabad
18.	**Sri Suresh Chappidi Foundation** Endowment gold medal for the Best Outgoing student for the topper in B.Tech. **Metallurgical Engg.**, JNTUH CEH	17011A0614	Mr. Peri Bala Kameshwar S/o. Mr. Peri Kameshwara Sharma	8.68	01-JNTUHCE Hyderabad

Autonomous Constituent Colleges for 2019-2020 Batch:

S.No	Gold Medal	H.T.No	Name of the Student	CGPA	College Name
1.	Best outgoing student of B.Tech. **Civil Engineering** from JNTUH College of Engineering, Hyderabad	16011A0142	Ms. Vuppala Srinija D/o. Mr. Vuppala Mahesh Kumar	9.96	01-JNTUHCE Hyderabad
2.	Best outgoing student of B.Tech. **Electrical & Electronics Engineering** from JNTUH College of Engineering Hyderabad.	16011A0211	Mr. Kambhampati Jayanth S/o. Mr. Kambhampati Ramanjaneyulu	9.95	01-JNTUHCE Hyderabad
3.	Best outgoing student of B.Tech. **Mechanical Engineering** from JNTUH College of Engineering Hyderabad.	16011A0316	Mr. Kaushal Gujrathi S/o. Mr. Kiran BabuGujrathi	9.78	01-JNTUHCE Hyderabad
4.	Best outgoing student of B.Tech. **Electronics & Communication Engineering** from JNTUH Hyderabad.	16011A0433	Ms. KothapalliRagamayee D/o. Mr. Kothapalli Veera Venkata Samba Murthy	9.91	01-JNTUHCE Hyderabad
5.	Best outgoing student of B.Tech. **Computer Science & Engineering** from JNTUH College of	16011A0505	Ms. Akshara Kappaganti D/o. Mr. Krishna	9.88	01-JNTUHCE Hyderabad

S.No	Gold Medal	H.T.No	Name of the Student	CGPA	College Name
	Engineering, Hyderabad.		Kappaganti		
6.	Best outgoing student of B.Tech. **Metallurgical Engineering** from JNTUH College of Engineering, Hyderabad.	16011A0610	Ms. Geeta Acharya D/o. Mr. R K Acharya	9.52	01-JNTUHCE Hyderabad
7.	Best outgoing student of B.Tech.**Chemical Engineering** from JNTUH College of Engineering, Hyderabad.	16011A0810	Ms. Palla Gopika Lakshmi Priya D/O. Mr. Palla Srinivasa Rao	9.85	01-JNTUHCE Hyderabad

Non-Autonomous Constituent Colleges for 2019-2020 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.	16VD1A0140	Mr. ChilukaSathwik S/o. Mr. Chiluka Prabhakar	8.40	VD - JNTUH College of Engineering, Manthani
2.	Best outgoing student of B.Tech. **Electrical & Electronics Engineering** from JNTUH Constituent colleges.	16JJ1A0231	Ms. Kuraati Mounika D/o. Mr. KuraatiNarsimulu	8.88	JJ - JNTUH College of Engineering, Jagtial
3.	Best outgoing student of B.Tech. **Mechanical Engineering** from JNTUH Constituent colleges.	16VD1A0319	Ms. Naaran Kalpana D/s. Mr. N Ramulu	8.20	VD - JNTUH College of Engineering, Manthani
4.	Best outgoing student of B.Tech. **Electronics & Communication Engineering** from JNTUH Constituent colleges.	16SS1A0424	Mr. K. Naga Chaithanya S/o. Mr. K. ChinnaRamasubb aiah	9.03	SS - JNTUH College of Engineering Sultanpur
5.	Best outgoing student of B.Tech. **Computer Science & Engineering** from JNTUH Constituent colleges.	16JJ1A0509	Ms. Bavi Swetha D/o. Mr. BaviThirumalaiah	8.53	JJ - JNTUH College of Engineering, Jagtial

S.No	Gold Medal	H.T. No.	Name of the Student	CGPA	College Name
6.	Best outgoing student of B.Tech. **Information Technology** from JNTUH Constituent colleges.	16JJ1A1227	Ms. JajalaSaipriya D/o. Mr. Jajala Srinivas	8.32	JJ - JNTUH College of Engineering, Jagtial
7.	Best outgoing student of B.Tech. **Mining Engineering.** from JNTUH Constituent colleges.	16VD1A2527	Ms. Alugubelly Veena Madhuri D/o. Mr. Alugubelly Venkat Reddy	8.64	VD - JNTUH College of Engineering, Manthani
8.	Best outgoing student of B.Tech. **Civil and Environmental Engineering** from JNTUH Constituent colleges.	16SS1A2834	Ms. MadugooriSamyuktha Reddy D/o. Mr. M Thirupathi Reddy	8.24	SS - JNTUH College of Engineering Sultanpur
9.	Best outgoing student of B.Tech. **Mechanical Engineering (Material Science and Nano Technology)** from JNTUH Constituent colleges.	16SS1A2902	Ms. Ainapur Usha Rani D/o. Mr. AinapurVeerappa	8.53	SS - JNTUH College of Engineering Sultanpur

Affiliated Colleges for 2019 - 2020 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.	16271A0143	Mr. Gangadhara Srikanth S/o. Mr. Gangadhara Anjaiah	8.78	27 - Jyothishmathi Inst. of Tech. & Science, Karimnagar
2.	Best outgoing student of B.Tech. **Electrical & Electronics Engineering** out of all affiliated Colleges.	16281A0291	Mr. Yalam Srujan Reddy S/o. Mr. YalamRajireddy	9.00	28 - Kamala Inst. of Tech. & Science, Huzurabad
3.	Best outgoing student of B.Tech. **Mechanical Engineering** out of all affiliated Colleges.	16K81A03D7	Mr. Sankathali Srikanth S/o. Mr. S Somaiah	8.88	K8 - St Martin's Engg. College, Dhulapally
4.	Best outgoing student of B.Tech. **Electronics &**	16RH1A0488	Ms. Grandhi Ranga Santhoshi	8.97	RH - Mallareddy

					Engineering College for Women, G. Pochampally
5.	Best outgoing student of B.Tech. **Computer Science Engineering** out of all affiliated Colleges.	16251A05F0	Ms. Loka Swetha Sri Lakshmi D/o. Mr. Loka Srinivas Sharma	9.20	25 – G. Narayanamma Inst. of Tech. & Sc. (for women), Hyderabad
6.	Best outgoing student of B.Tech. **Electronics & Instrumentation Engineering** out of all affiliated Colleges.	16BD1A1046	Ms. VakkanthulaMaanasa D/o. Mr. Vakkanthula Srinivasa Rao	8.39	BD - Keshav Memorial Inst. of Tech., Hyderabad
7.	Best outgoing student of B.Tech. **Information Technology** out of all affiliated Colleges.	16251A12B2	Ms. Samanthula Suma Harshini D/o. Mr. Samanthula Swamy	8.59	25 – G. Narayanamma Inst. of Tech. & Sc. (for women), Hyderabad
8.	Best outgoing student of B.Tech. **Mechanical Engineering (Mechatronics)** out of all affiliated Colleges.	16261A1409	Mr. Bhardwaj Ankush Singh S/o. Mr. Pravesh Kumar Bhardwaj	8.66	26 - Mahatma Gandhi Inst. of Tech., Hyderabad
9.	Best outgoing student of B.Tech. **Metallurgical & Materials Engineering** out of all affiliated colleges.	16261A1814	Mr. Kodela Rakesh S/o. Mr. Kodela Srinivas	8.50	26 - Mahatma Gandhi Inst. of Tech., Hyderabad
10.	Best outgoing student of **B.Pharmacy** out of all affiliated colleges.	16T31R0096	Ms. Donna Mol Sunny D/o. Mr. Sunny Thomas	8.90	T3 - Malla Reddy Inst. of Pharm. Sciences, Dhulapally

Endowment Gold Medals for 2019 -2020 Batch

S.No.	Endowment Gold Medal	H.T. No.	Name	CGPA	College
1.	**Late Prof. G.**	16RH1A05N5	Ms. V Sreeja	8.69	RH -

	Purushotham memorial Endowment gold medal for best outgoing student who got highest marks in **Mathematics-I** in constituent and affiliated colleges.		D/o. Mr. V Seshadri		Mallareddy Engineering College for Women, G. Pochampally
2.	**Late D V P Narasa Raju memorial** Endowment gold medal for best outgoing **girl** student of **B.Tech (Electronics & Communication Engineering)** of JNTUH Engineering College, Hyderabad.	16011A0433	Ms. KothapalliRagamayee D/o. Mr. Kothapalli Veera Venkata Samba Murthy	9.91	01- JNTUHCE Hyderabad
3.	**Prof. S.Tiruvengalam** Endowment gold medal for **B. Tech.** (**EEE**) best outgoing student of JNTUH College of Engineering, Hyderabad.	16011A0211	Mr. Kambhampati Jayanth S/o. Mr. Kambhampati Ramanjaneyulu	9.95	01- JNTUHCE Hyderabad
4.	**Smt. M. Vedavathi**Gold Medal for best outgoing **Girl** student in **B. Tech.(Electronics & Communication Engineering)** in JNTUH constituent Colleges.	16011A0433	Ms. KothapalliRagamayee D/o. Mr. Kothapalli Veera Venkata Samba Murthy	9.91	01- JNTUHCE Hyderabad
5.	**Vellanki Rama Rao Memorial** Gold Medal to be Awarded for best outgoing student of **B. Tech. (CivilEngg.)** in all constituent colleges of the University.	16011A0142	Ms. Vuppala Srinija D/o. Mr. Vuppala Mahesh Kumar	9.96	01- JNTUHCE Hyderabad
6.	**PisupaatiSupriya Desai** Gold Medal to be awarded for **B.Tech** best outgoing student in **(Electronics & Communication**	16RH1A0488	Ms. Grandhi Ranga Santhoshi D/o. Mr. Grandhi Venkata	8.97	RH - Mallareddy Engineering College for Women,

	Engineering) in JNTUH **affiliated** Colleges.		Rangam		G. Pochampally
7.	**Dr. Md. Vizarath Rasool Khan**Endowment Gold Medal to be awarded for **B. Tech (Computer Science Engineering)** 1st rank in the JNTUH affiliated Colleges.	16251A05F0	Ms. Loka SWETHA Sri Lakshmi D/o. Mr. Loka Srinivas Sharma	9.20	25 – G. Narayanamma Inst. of Tech. & Sc. (for women), Hyderabad
8.	**Shadan Endowment**Gold Medal to be awarded for securing 1st rank in **B.Pharmacy** JNTUH affiliated colleges.	16T31R0096	Ms. Donna Mol Sunny D/o. Mr. Sunny Thomas	8.90	T3 - Malla Reddy Inst. of Pharmaceutic al Sciences, Dhulapally
9.	**Sri Sankara Sastry** Memorial gold medal for best outgoing **MBA** regular student in JNTUH Constituent Colleges.	18031E0009	Ms. Kandala Meghana D/o. Mr. Kandala Ramakrishna	7.81	03 - JNTUH SMS, Hyderabad
10.	**Padmasri Dr.A.V Rama Rao** Endowment Gold Medal to be Awarded for best Outgoing student from **M.Sc. (Industrial / Organic Chemistry)** from IST, JNTUH	18031G0808	Ms. Edunoori Bhavani D/o. Mr. Edunoori Narsimha Rao	8.98	03 - JNTUH IST, Hyderabad
11.	**Prof. Y.Anjaneyulu** Endowment gold medal to be awarded for best outgoing student in **M.Tech. (Environmental Management)** from IST, JNTUH.	18031D3111	Ms. Vemula Smrithi D/o. Mr. Vemula Sanjay	8.77	03 - JNTUH IST, Hyderabad
12.	**Late Dr.C.Anandeswara Sastry** Endowment gold medal to be awarded for the best outgoing student scoring **highest marks** in **Chemical Engineering** subject of **M.Sc. (Organic Chemistry)** at IST, JNTUH.	18031G0808	Ms. Edunoori Bhavani D/o. Mr. Edunoori Narsimha Rao	8.98	03 - JNTUH IST, Hyderabad

13.	**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.	18C51E0016	Ms. Mahmmad Sajida D/o. Mr. Mahmmad Raheem	8.27	C5 - Sai Spurthi Institute of Tech., B. Gangaram
14.	**MC Consulting Engineers**Gold Medal to be awarded for the best outstanding and outgoing student of **B.Tech. (Civil Engineering)** from JNTUH CEH.	16011A0142	Ms. Vuppala Srinija D/o. Mr. Vuppala Mahesh Kumar	9.96	01- JNTUHCE Hyderabad
15.	**MC Consulting Engineers**Gold Medal to be awarded for the best outgoing student of **M.Tech. (Structural Engineering)** from JNTUH CEH.	18011D2022	Mr. Lelisa Nemo Nura S/o Mr. Nemo NuraSifie	9.19	01- JNTUHCE Hyderabad
16.	**Sudir C Rao MDF**Gold Medal for the overall topper in **MCA** at School of Information Technology (SIT), JNTUH.	17031F0009	Mr. Gurram Rajesh S/o. Mr. Gurram Krishna	8.61	03 - JNTUH SIT, Hyderabad
17.	**Dr. Andra Naidu** Endowment gold medal for**B. Pharmacy** best outgoing student from Constituent and Affiliated Colleges of JNTUH.	16T31R0096	Ms. Donna Mol Sunny D/o. Mr. Sunny Thomas	8.90	T3 - Malla Reddy Institute of Pharmaceutical Sciences, Dhulapally
18.	**Dr.I.V.Murali Krishna**endowment gold medal for **M.Tech. (Spatial Information Technology)** who secures 1st rank topping the list fulfilling the conditions a) should pass all the course	18031D3212	Mr. InapanuriSeshuphani Kumar S/o. Mr. Nageswara Rao	8.86	03 - JNTUH IST, Hyderabad

	work subjects in first attempt. and b) Should complete the course work and dissertation within the stipulated time of the course.				
19.	**Arun Seshu Meritorious** Gold Medal to be awarded to the best student who stands top **among all branches of Engg. In B.Tech.** course of Study from JNTUH Constituent Colleges.	16011A0142	Ms. VUPPALA SRINIJA D/o. Mr. VUPPALA MAHESH KUMAR	9.96	01-JNTUHCE Hyderabad
20.	**Late Dr. Burgula Ramakrishna Rao** Endowment gold medal for best outgoing student Who secured IstRank in**B.Tech. (All Branches) in All Constituent &Affiliated Colleges** of JNTUH, Kukatpally Hyderabad.	16011A0142	Ms. VUPPALA SRINIJA D/o. Mr. VUPPALA MAHESH KUMAR	9.96	01-JNTUHCE Hyderabad
21.	**Dr Shahnaz Bathual**Endowment Gold Medal to be awarded for the best outgoing student scoring **highest average marks** in all **Mathematics related** subjects **among all branches of Engg. In B.Tech.** course from JNTUH Constituent Colleges.	16011A0142	Ms. VUPPALA SRINIJA D/o. Mr. VUPPALA MAHESH KUMAR	9.96	01-JNTUHCE Hyderabad
22.	**RIPE-2012** Endowment gold medal to best outgoing**M.Pharmacy**student from the center for **Pharmaceutical Sciences,IST(Autonomous)**JNTUH Hyderabad.	18031S0315	Ms. T N PURNIMA D/o. Mr. T N L MURTHY	9.83	03 - JNTUH IST, Hyderabad

| 23. | **Dr. D. Seetha Mahalakshmi Memorial** Gold Medal for the Best Outgoing B.Tech. **graduate in the faculty of CSE**, JNTUH CEH | 16011A0505 | Ms. AKSHARA KAPPAGANTI D/o. Mr. KRISHNA KAPPAGANTI | 9.88 | 01- JNTUHCE Hyderabad |

21.0 CONCLUSION

In conclusion, let me reiterate the progress and achievements of Jawaharlal Nehru Technological University Hyderabad during the Academic Year 2020-21.JNTUH is heading successfully as per our Vision and Mission for education to generate new variety of human resource who serve as job creators but not job seekers. The inception and growth of our university is closely entangled with the saga of rebuilding of Modern India. The able leadership as well as the invaluable guidance of madam Dr. (Smt.) TamilisaiSoundararajan, Chancellor of the University, constantly motivates and cherishes us in all our endeavors.

This is an occasional moment in the journey of a university when the synergy between an inherited tradition of academic excellence and the commitment of our outstanding students and researchers could create a greater institute. The fast pace of development in the country has raised the responsiveness as well as expectations of the people and the Institutions of higher learning are instrumental in providing equality of opportunities, which is the essence of participatory democracy.

JNTUH stands in the top position among the technological universities in the country, it has more than3.00 Lakh students including 1965research scholars and 230 foreign students, who have been pursuing different academic programmes at this campus and at five of our constituent colleges including the newly established JNTUH College of Engineering RajannaSircilla and JNTUH University College of Pharmaceutical Sciences Sulthanpur, commenced from the Academic Year 2021-22.

Benjamin Franklin said that an investment in knowledge always pays the best interest. It is true with a university which can grow successfully only when research and teaching go together impeccably. Keeping this in view, we have ensured the development of a collaborative environment, exposure to the best international practices and promotion of innovation and creativity. This campus

is emerging as a potential hub to impart education, training and entrepreneurship development skills to the potential students.

By guiding some of the best students in the disciplines of Engineering, Sciences, Information Technology, Humanities and Management, by producing worthy research publications and achieving path-breaking research findings, we believe that JNTUH will soon become a Research Centre and emerge as the higher education destination in many fields of knowledge.

National Education Policy 2020 of Government of India is being followed at JNTUH and we need to gear up towards novel multi-disciplinary course curriculum which is student-centric and competitive. University is working towards designing and implementing more innovative and far reaching e-learning modules to meet the needs of industry.

If the academic year of 2019-20 was the year when we responded collectively to the setback of a global pandemic, the year 2020-21 was the time when we prepared ourselves and got on with the work of education and research in difficult and constantly changing circumstances. In other areas, the pandemic has forced us to re-examine how we do things. It has led us to experiment successfully with blended forms of learning and with new forms of assessment.

The year 2020-21 witnessed good placements in spite of the pandemic and lockdown. The Placement team has been able to coordinate with the companies and have ensured placements for 460 students in 64 companies. For year 2021-22, about459 students are already placed in various companies so far, and this number is likely to go up further.

Alumni are the backbone of any University and they have the responsibility to direct the University by providing critical inputs at appropriate occasions. Our outstanding alumni who have brought many laurels to the University are the

big asset and we acknowledge   their service, achievements and contribution to JNTUH on this day.

The connection between educational institutions and industries need to be strengthened. Sustainable growth can be achieved through a sustainable human resource, which we have to build and provide indiscriminately.

While presenting the report, I must also express my expectations from the students. The world is changing at a very fast pace and one must meet these challenges and seek fresh opportunities for employment. For this you need to equip yourself and develop your faculties to the full for which we need a fresh perspective and attitudinal change. A degree is no longer a complete qualification to certain employment. Innovation and creativity are the keywords of today. There is a need to add new skills with latest technologies. You must realize your responsibility towards your society and the country at large. I am confident that you are quite aware of the task ahead and may this task be further strengthened and fulfilled my wish and will on this occasion.

I wish you all the best for a bright and happy future.

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