

JNTUH NEWS

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Honorable Vice-Chancellor Prof. Katta Narasimha Reddy, Rector Dr. A. Govardhan, Registrar Dr. M. Manzoor Hussain, DAP Dr. M. Madhavi Latha and Principal Dr. A. Prabhu Kumar and Staff hoisted National Flag on the occasion of Telangana State Formation Day Celebrations on 02 June 2021.



Honorable Vice-Chancellor Prof. Katta Narasimha Reddy, Rector Dr. A. Govardhan, Registrar Dr. M. Manzoor Hussain, DAP Dr. M. Madhavi Latha & Principal Dr. A. Prabhu Kumar and Staff garlanded Dr. B.R. Ambedkar Statue on the occasion of Telangana State Formation Day Celebrations on 02 June 2021.



Director IIP Mumbai Dr. Tanveer Alam and Registrar Dr. M. Mazoor Hussain with MoU Document to extend cooperation in Academic and Research Fields.



Rector Dr. A. Govardhan Received Telangana KU Haritha Haram Award from Honourable IT and Urban Minister Sri K Taraka Rama Rao *garu* in 2021.



Honourable Vice-Chancellor Prof. Katta Narasimha Reddy visited JNTUH Academic Audit Cell on 01st June 2021.



Vice-Chancellor Prof. Katta Narasimha Reddy visited JNTUH School of Management Studies on 03rd June 2021.



Vice-Chancellor Prof. Katta Narasimha Reddy Visited Chief Justice of India at Raj Bhavan on 19th June 2021.



Honourable Vice-Chancellor Prof. Katta Narasimha Reddy, Rector Dr. A. Govardhan, Registrar Dr. M. Manzoor Hussain and Course Coordinator Dr. R. Sridevi at the Inaugural of 12-weeks online Internship program on Cyber Security & Forensics on 28th June 2021.

JNTUH College of Engineering Hyderabad

Department of Civil Engineering

Faculty Achievements

Journal Papers Reviewed by the Faculty

- Dr.S.Srinivasulu, Professor & Head reviewed a paper “Treatment of pesticide intermediate industrial waste using hybrid methodologies” in Applied Water Science in March 2021.

Department of Electrical & Electronics Engineering

Details of Webinars/ Conferences/ Seminars/

Workshops/ /FDPs Attended by the Faculty

- Dr.S.Tara Kalyani Professor of EEE & Director, UIIC attended a Three Day International Conference on “Sustainable Energy and Future Electric Transportation (SEFET)” from 21st-23rd January 2021 on Web-based online presentation funded by TEQIP III.
- Dr.D.Kiran Kumar, Asst. Prof. attended a One Day National Conference on “Implementation on National Education Policy-2020” on 31st March 2021 a Web-based online presentation funded by TEQIP III.
- Dr.D.Kiran Kumar, Asst. Prof. attended a Five Day National Conference on “Application of Soft Computing in Electrical Engineering” from 15th-20th March 2021 organized by Department of EEE at Bapatla Engineering College funded by TEQIP III.
- Dr.D.Kiran Kumar, Asst. Prof. attended a Three Day National Conference on “IIPR & Pretending Patentability Through Patent Prior Art Searches, Patent Drafting & Filing For Scientists, Technologists, Engineers and Faculties” from 19th-21st May 2021 organized by Engineering Staff College of India funded by TEQIP III.
- Dr.D.Kiran Kumar, Asst. Prof. attended a Two Day National Conference on “Quality improvement via Accreditation and Ranking” from 28th-29th June 2021 organized by Bapatla Engineering College funded by IQAC.

Keynote Address/Invited Talks/Expert

Lectures Delivered by the Faculty

- Dr.N.Yadaiah, Professor of EEE JNTUH CEH has delivered an Expert lecture on “Research Validation and Evaluation” in a Course on Research Methodology at Research and Development, JNTUH Virtual mode on 30th April 2021.
- Dr.K.Naga Sujatha, Professor of EEE and Dy. Director, UGC HRDC, JNTUH, Hyderabad, has delivered a talk on “Fundamentals of Strategic and Transformational Leadership, Developing Organization Aspiration and Strategy for Growth” on 03rd March 2021 organized by UGC HRDC, JNTUH.

New Appointments and Promotions/Awards

- Dr.A.Jayalaxmi, Professor of EEE received “IOR” from International Institute of Organized Research in March 2021.

Faculty Achievements

Journal Papers Reviewed by the Faculty

- Dr.N.Yadaiah, Professor of EEE JNTUH CEH has reviewed a research paper entitled “Method for Enhancing Deep Learning Fault Diagnosis by Generating Adversarial Samples” in Applied Soft Computing Journal (Intl-Elsevier) in 2021.
- Dr.N.Yadaiah, Professor of EEE JNTUH CEH has reviewed a research paper entitled “A Novel Nature-Inspired Maximum Power Point Tracking (MPPT) Controller Based on ACO-ANN Algorithm for Photovoltaic (PV) System Fed Arc Welding Machines” in Neural Computing and Applications in 2021.
- Dr.N.Yadaiah, Professor of EEE JNTUH CEH has reviewed a research paper entitled “Multi-objective prediction of strength properties of cement mortar containing nano- and micro-silica based on porosity using hybrid artificial intelligence techniques” in Neural Computing and Applications in 2021.

Journal Papers Published by the Faculty

- Dr.N.Yadaiah, Professor of EEE, JNTUH CEH published a paper on “Brain Affective System Inspired Control Architecture: An Application to Nonlinear System” in Intl: IEEE Access, DOI 10.1109/ACCESS.2021.3088546, Page No: 86565-86580, Volume No: 9 in 2021.
- Dr.N.Yadaiah, Professor of EEE, JNTUH CEH published a paper on “A Hysteresis Space Vector PWM for PV Tied Z-Source NPC-MLI with DC-Link Neutral Point Balancing” in Intl: IEEE Access, 2021; DOI 10.1109/ACCESS.2021.3068335, Volume No: 9, Page No: 54420-54434 in 2021.
- Dr.N.Yadaiah, Professor of EEE, JNTUH CEH published a paper on “Design and Implementation of an Intelligent Multi Modular Joint (MMJ)-Brain Controller: Application to Aircraft and Brushless DC (BLDC) systems” in International Journal of Dynamics and Control presently available: online in 2021. <https://doi.org/10.1007/s40435-021-00773-9>
- Dr.N.Yadaiah, Professor of EEE, JNTUH CEH published a paper on “High Performance of Brain Emotional Intelligent controller for DTC-SVM based sensorless Induction Motor Drive” in The Journal of Supercomputing <https://doi.org/10.1007/s11227-020-03556-9>, Presently available : online in 2021.
- Dr.K.Naga Sujatha, Professor of EEE published a paper on “Stability Assessment of Droop Controlled Hybrid Islanded Multiple Subgrids during Power Sharing” in PalArch’s Journal of Archaeology of Egypt / Egyptology in 2021.
- Dr.A.Jayalaxmi, Professor of EEE published a paper on “Real Time Implementation of Intentional Islanding Algorithm for Distributed Energy Resources” in International Journal of Electrical Engineering & Technology (Springer) 19th Doi .org/10.1007/s42835-021-00744-2, in April 2021.
- Dr.A.Jayalaxmi, Professor of EEE published a paper on “Machine Learning Based International Islanding

Algorithm for DERs in Disaster Management” in IEEE Access Volume No: 09, 2021. Page No: 85300-85309. DOI: 10.1109/ACCESS.2021.3087914 in 2021.

Conference Papers Presented by the Faculty

- Dr.N.Yadaiah, Professor of EEE, JNTUH CEH presented a paper titled “Performance analysis of Brain Emotional Controller for Induction Motor Drive” in The IEEE International Conference on Intelligent Technologies held from 25th-27th June 2021.
- Dr.N.Yadaiah, Professor of EEE, JNTUH CEH presented a paper titled “Performance Analysis of Asymmetrical Multilevel Inverter with Logical Firing Circuit” in IEEE Sponsored 6th International Conference for Convergence in Technology from 02nd-04th April 2021.
- Dr.S.Tara Kalyani, Professor of EEE, JNTUH CEH presented a paper titled “Validation of SRFPI Control Methodology for Voltage Sag Compensation with a Dynamic Voltage Restorer to improve Power Quality” in International Conference pp. 1-6. IEEE, 2021 from 21st-23rd January 2021.

Details of Patents/Copyrights Filed/Awarded

- Dr.M.Sushama, Professor of EEE Application No.202141014821.Title: Method of Synthesizing Linixcu0.5-XMn1.5O4 Nano Material Using Microwave-Assisted Sol-GEL Technique for Lithium Ion Battery Cathode Official Journal of The Patent Office. Different compositions of nano-crystalline phase LiMn1.5Ni0.25Cu0.25O4 powder are synthesized using citric acid modified (CAM) microwave assisted sol-gel method. Structural characterisation of synthesised product is carried out using powder X-ray diffraction (XRD). The results show that the Cu-Ni doped sample has a FD3M space group similar to that of undoped sample but has a smaller lattice parameter than that of the undoped LiMn2O4. Studies using thermal gravimetric analysis and differential thermal analysis (TGA-DTA) show that LiMn1.5Ni0.25Cu0.25O4 is found to be thermally stable due to low weight loss with nano size particles. An electrochemical investigation shows that LiMn1.5Ni0.25Cu0.25O4 is effective due to very small particle size having identical morphology coupled with homogeneity. These features are essential for obtaining high energy density with good reversibility needed for a battery application. The impedance spectroscopic studies at various temperatures ranges reveal low charge transfer resistance which is an added advantage to the present application. The current invention is beneficial to different companies interested in manufacturing nonmaterial based batteries, researchers and academia. Date of filing of Applications: 31/03/2021 Publication Date: 16/04/2021.
- Dr.A.Jayalaxmi, Professor of EEE Application Number- 202141011908 Indian Patent Office

(Sadanandam work) “Method And Circuit For Operating OEWM Using Dual Inverter Fed With Modulated Carrier Based Dpwm”, Journal Number-13/2021, Journal Date: 26/03/2021.

- Dr.A.Jayalaxmi, Professor of EEE Application No. TEMP/E1/20051/2021- “Method and system for providing power resilience during and aftermath of disasters using Intentional Islanding” Ref. No. 202141018075, CHE filed on 19/4/2021.
- Dr.K.Naga Sujatha, Professor of EEE Filed Application Number: 2021103722 “A Power Glow Control Method for AC-DC Hybrid power Grid” Filed on 29-06-2021.

Any Other Achievements by the Faculty

Collaborative Research Schemes

Sl. No.	Name of the Faculty	Title of the Project	Amount (Rs.)
1	A. Raghuram Professor & Head	Design and Development of hybrid wind Solar Energy System	15,00,000.00
2	Dr. M. Surya kalavathi, Professor	Harmonic elimination of a photo-voltaic based cascaded H-bridge multilevel inverter using Bio inspired optimization algorithms for Electrical vehicles	4,00,000.00
3	Dr.A.Jaya Laxmi, Professor	Design of Energy Monitoring and Management System Using IoT	8,15,000.00
4.	Dr.K.Nagasujatha	“Development of Power Sharing Methods for Hybrid Multiple Subgrids”	-

Department of Mechanical Engineering

New Infrastructure Development in the Department / College

- Funds received by MED Sustainability Plan for TEQIP III Project R&D Projects under CoE, TEQIP III.
- Development of Sustainable Machining Technology Using Advanced Coated tools for Turning of T16A14V Iron Based Nickel Super Alloy Components. Sanctioned Amount Rs.8, 23, 500.00. Project Coordinator: Dr.G.Krishna Mohana Rao.
- Centre for Organic and Hybrid Electronics Research Proposal for Establishing a Cutting-Edge Organic and Hybrid Electronics Research Centre. Amount: Rs.17,75, 000.00 Project Coordinator: Dr.P.Prasanna.

New Equipment/Software Installed

- The following Equipment worth Rs. 98,127.95 is procured for Instrumentation & Control Systems Lab. Lab In Charge: Dr.M.Sreenivasa Rao.
- Sustain Gauge Measuring Instrument for the measure of Torque.
- Study at McLeod Gouge setup with Vacuum Gauge.
- Speed Measurement by Trainer.

Details of Webinars/Conferences/Seminars/ Workshops /FDPs Attended by the Faculty

- Dr.M.Indira Rani, Professor attended a Six Day Refresher Program on “Engineering Applications of Optimization” from 19th-24th April 2021 organized by AICTE-ISTE.

Keynote Address/Invited Talks/Expert Lectures Delivered by the Faculty

- Dr.M.Indira Rani, Professor delivered a Keynote Address in a RTU (ATU) TEQIP III sponsored Two Day Seminar on “Entrepreneurship Development” from 19th-20th March 2021 organized by Rajasthan Technical University, Kota & Anand International College of Engineering, Jaipur.



Dr.M.Indira Rani, Professor delivered a Keynote Address in a RTU (ATU) TEQIP III sponsored Two Day Seminar on “Entrepreneurship Development” from 19th-20th March 2021 organized by Rajasthan Technical University, Kota & Anand International College of Engineering, Jaipur.

- Dr.M.Indira Rani, Professor delivered a keynote Address in RTU (ATU) TEQIP III sponsored Two Day Seminar on “Setting Up And Growing Business Venture” from 22nd-23rd March 2021 organized by Poornima Institute of Technology Jaipur.



- Dr.M.Indira Rani, Professor delivered a keynote Address in RTU (ATU) TEQIP III sponsored Two Day Seminar on “Setting Up And Growing Business Venture” from 22nd-23rd March 2021 organized by Poornima Institute of Technology Jaipur.

Faculty Achievements

Journal Papers Published by the Faculty

- Mr.A.Ramesh, N.V.Srinivasulu, M.Indira Rani published a paper titled on “Influences of Functionalized Multiwalled Carbon Nanotube on the Tensile and flexural properties of Okra Cellulose

Nanofibers/Epoxy Nanocomposites” in 4th International Conferences Innovations in Mechanical Engineering (ICIME-2021), Springer Notes in Mechanical Engineering.

- Dr.P.Bhramara, Santhi Sree .N, N. V. V. S. Sridhar, P.Bhramara published a paper titled on “Mathematical Modeling of Closed Loop Pulsating Heat Pipe by Using Artificial Neural Networks” in International Journal of Heat and Technology, ISBN No. <https://doi.org/10.18280/ijht.390332>, Volume No: 39, Issue No: 3, Page No: 955-962 in June 2021.

Conference Papers Presented by the Faculty

- Mr.A.Ramesh, N.V. Srinivasulu, M. Indira Rani presentd a paper on “Effect of Functionalized Multiwalled Carbon nanotube on the Micro hardness and water absorption Properties of Okra Cellulose Nanofibers/Epoxy Nanocomposites” International Conference On Developments In Sustainable Materials, Manufacturing, And Energy Engineering (ICDSME-2021).

Any Other Achievements by the Faculty

- Dr.A.V.S.S.Kumara Swami Gupta Elected as ISTE Executive council member (2020-2024).
- Dr.A.V.S.S.Kumara Swami Gupta Elected as ISTE Secretary cum Treasurer for Telangana section (2020-2024).

Students’ Achievements

- 23 Students qualified in GATE 2021 and 12 students scored good ranks.
- Mr.K.Rakesh bearing Hall Ticket No.18015A0308 secured M.Tech Seat in IISc Bangalore based on GATE 2021 Score.
- Mr.Manav Prakash bearing Hall Ticket No. 16011U0307 Mechanical Engineering IDP-MBA took admission in MBA, IIM Indore with CAT Score.

Any Other Achievements by Students

- 18 students from 2020 admitted Batch attended Robo Analyzer Based Internship conducted by Tezpur University in collaboration with IITD & Amity University, Bangalore during May-July 2021.
- Ms.Abburi Divyavani bearing H.No. 20011P0301 won 1st Prize in the Competition conducted in Robo Analyzer Based Internship (ROC-21).
- The following students won the runner up position and their project report & designs were uploaded in the official website of Tezpur Univeristy.
- Mr.Dhanavath Praveen Naik (20011P2107), Kolipara Peeyusha (20011P0315), Chirram Ranadheer (20011P0307) Lingannapeta Sahith(20011P2117), Parvathala Murali (20011P0322), Challa Dineth Dayakar (20011P0305), Barpati Siri Chandana (20011P2105), Shivampeta Sai Preetham (20011P2123), Aleti Sanath (20011P0302), K L K Sisira (20011P2112), Seelam Sreekar (20011P0327) & K. Deekshitha (19011P2108), Katta Tejashwini Reddy (19011P2113), Maragani Mounika Sri Vani 19011P2117), Vemulapati Siva Mahitha

19011P2127, Maram Pooja (19011P21178), Singarapu Shruthi (19011P0321).

- 18 students from 2020 admitted Batch attended Personality Development Workshop & software Training Workshop on Python during May-June 2021.

Department of Centre for Energy Studies

New Equipment/Software Installed

- MATLAB R2020b Software is installed in 11 systems in the Computer lab by the Capricot Technologies Pvt. Ltd. through JNTUH College of Engineering.

Details of Webinars/Conferences/Seminars/ Workshops /FDPs Attended by the Faculty

- Dr.M.T.Naik attended by a Two Day webinar on “E-Content Development, Advanced Teaching-Learning Management Tools” from 28th-31st January 2021 organized by Engineering Staff College of India at Goa.
- Dr.M.T.Naik attended the online BOS meeting at Narsimha Reddy Engineering College on 05th May 2021.
- Dr.M.T.Naik attended BOS online meeting of Vignana Bharathi Institute of Technology.

Faculty Achievements

Journal Papers Published by the Faculty

- Dr.M.T.Naik, Published a paper title on “Understanding Frictional behavior of ASS316L in sheet metal forming process, proceedings” in 2021.
- Dr.M.T.Naik, Published a paper title on “Evolution and Characterisation of ASS316L at Elevated Temperature. Advances in Materials and processing Technologies” on 29th June 2021.

New Appointments and Promotions

- Dr.M.T. Naik, Professor & coordinator for Center for Energy Studies is appointed as Vice Principal of the JNTUH College of Engineering Hyderabad.

JNTUH CEH Placements

- Mr.P.Koushik, Roll No. 19011D1005 placed in MTAR Technologies, Hyderabad Package: 3.36 LPA.
- Ms.M.Sushma Priyanka, Roll No. 19011D1005 placed in GVMC, Visakhapatnam, 16,000 per month.

Department of Electronics and Communication Engineering

Details of Conferences/Workshops/FDPs Organized by the Faculty

- Dr.K.Anitha Sheela, Professor and Head of ECE Department organized a Two Week Online Refresher Course on "Systems and Signal Processing" from 01st-16th March 2021.

Details of Webinars/Conferences/Seminars/ Workshops /FDPs Attended by the Faculty

- Mr.A.Shravan Kumar, Asst. Prof. (C) attended a One Week Short Term Course on “Artificial Intelligence and Machine Learning” from 28th June to 03rd July 2021 organized by UGC HRDC, JNTUH.

- Ms.J.Samrajam, Asst. Prof. (C) attended a Six Day National Level FDP on “Advances in Wireless Communication Technologies” from 07th-12th June 2021 organized by Malla Reddy Engineering College Hyderabad.

Keynote Address/Invited Talks/Expert Lectures Delivered by the Faculty

- Dr.K.Anitha Sheela Professor and Head of ECE has Delivered a Lecture on “Free online AICTE-STTP on Artificial Intelligence: Devices to Circuit” from 01st-06th February 2021 at 10:00 am to 1:15 pm at MLRITM (Autonomous) Hyderabad.

Faculty Achievements

Journal Papers Published by the Faculty

- Mr.D.Mohan, K.Anitha Sheela published a paper on “Performance Improvement in Speech Enabled IVR Systems Using Artificial Band Width Extension” Journal in Recent Development Advanced Aspects of Engineering Research Volume: 06, on 07th May 2021.
- Dr.T.Satya Savithri Professor of ECE published a paper on “Monitoring and Controlling of ICU Environmental Status with Wifi Network Implementation on Zynq SoC” in the 5th International Conference on Inventive Systems and Control (ICISC 2021) from 07th-08th January 2021 organized by JCT College of Engineering and Technology at Coimbatore, India.
- Mr.P.Sudhakar, K.Anitha Sheela, Mr.M. Satyanarayana published a paper on “Optimisation of Cloud Seeding Criteria Using a Suite of Ground-Based Instruments” in Advances in Systems Engineering, Publication Springer, Singapore in 2021.
- Dr.K.Anitha Sheela published a paper on “Emotion Recognition from Facial Biometric System Using Deep Convolution Neural Network (D-CNN)” in Advances in Systems Engineering, Publication Springer, Singapore in 2021.
- Mr.C.Anil Kumar, K.Anitha Sheela published a paper on “Emotion Recognition from Speech Biometric System Using Machine Learning Algorithms” Journal in Advances in Communications, Signal Processing, and VLSI: Select Proceedings of IC2SV 2019, Publication Springer, Nature in 2021.

Conference Papers Presented by the Faculty

- Mr.D. Mohan, K. Anitha Sheela, Mr.P. Sudhakar were presented a paper on “COVID-19 Social Distancing with Speech-Enabled Online Market Place for Farmers” in International Conference on Sustainable Expert Systems, ICSES 2020, 513-525.

New Appointments and Promotions

- Dr.B.N.Bhandari, Professor of ECE has been appointed as Director, School of Continuing Distance Education (SCDE), JNTUH.
- Dr.D.Srinivasa Rao Professor of ECE has been appointed as Director, Academic Audit Cell, JNTUH.

Students' Achievements

- Mr.G.Nithish (Roll. No: 1711U0403) student of 4th Year (IDP) has won a prize money of Rs.25,000/- in an National level FOSS 32 hrs Hackathon for building an Open Source Software app titled "Privacy Indicator" which is one of the feature of ios14 namely "Recording Indicators" in 2021.
- Ms.Srinija of IV Year IDP student and her team got shortlisted for first round in Toycathon 2021 an initiative by Government of India under Aatma Nirbhar Bharat Abhiyan initiated by Hon'ble Prime Minister.

Any Other Achievements by Students Research Papers Published

- Mr.Milkessa Negeri Gemechu, M.Tech II year student published an International Journal Paper titled "BER And PAPR Performance Analysis OfMimo-Ofdm Systems using Equalizers" has been published in January 2021, Volume No: 11, Issue No: 1 Publication under ISSN 2250-3153.
- Mr.Pittala Prashath, Roll. No. 20011D0611, Mr.Yadavelly Sai Teja, Roll. No. 20011D0614, Y.Naveen, Roll. No. 20011D0613 were M.Tech I year DSCE students Published an International Open Access Journal paper titled "6G Technology" has been published in JETIR ISSN UGC approved (Journal No. 63975) & 5.87 Impact Factor Published in Volume No: 8, Issue No: 3 in March 2021 Publication: 31-03-2021.
- Mr.E.Siddhartha Roll. No. 20011D0603, M.Tech I Year DSCE student published an International Research Journal of Modernization Engineering Technology and Science paper titled "Human Safety and Air Pollution Detection In Environment" Volume No: 03, Issue No: 03, in March 2021.
- Mr.Nader Babo Dukhan Albaire, Roll No. 20011D0619, M.Tech I Year DSCE Student published an International Journal of Engineering an Information System paper titled "Cognitive Radio Based Internet of Things: Applications, Challenges, and Future Research Aspects" published in Volume No: 2, Issue No: 5 in March 2021.
- Ms.Gurram Susmitha, M.Tech I Year SSP student published an International Research Journal of Engineering and Technology Paper titled "3D-MIMO with Massive Antennas in 5G Technology" in Volume No: 8, Issue No: 3 in 2021.

Research Papers Presented

- Dr.K. Anitha Sheela, Professor and Head of ECE has published a paper on Optimization of Cloud Seeding Criteria Using a Suite of Ground-Based Instruments in a Lect. Notes Electrical Eng., Volume No: 722, Laxminidhi T. et al. (Eds): Advances in Communications, Signal Processing, and VLSI, 978-981-33-4057-2, 487178_1_En, (Chapter 33) by Springer Nature in January 2021.

Any Other Achievements by Students

- Mr.Nitish Gadangi, B.Tech IV Year IDP student

Roll. No. 17011U0403 Was Part of MLH Fellowship (Batch 1) which is an open-source internship program powered by Facebook and GitHub. Only 144 student developers are selected out of 30,000+ applications worldwide. Of which 23 were from India.

Forthcoming Events

- Dr.K.Anitha Sheela, Professor and Head of ECE applied for a project titled 'Development of ISL Translator and Synthesizer for Communicating in Native Language' on 14.02.2021 and was allotted file Number : DST/CSRI/MCR/2021/12 for an amount: 1,70,00,000/- for 3 Years to Cognitive Science Research Initiative 'Multi Centric Research Proposal(CSRI), Kiran Division, DST, India.

Department of Computer Science and Engineering

Details of Webinars/ Conferences/ Seminars/ Workshops/FDPs Attended by the Faculty

- Ms.E.Hemalatha, Asst. Prof. Attended Two Day 29th Euromicro International Conference on Parallel distributed and network based processing titled "An Efficient Practical Non-Blocking Pagerank Algorithm for Large Scale Graphs" from 10th-12th March 2021 in virtual mode.
- Ms.E.Hemalatha, Asst. Prof. attended One Week UGC sponsored online short term course on "Machine Learning" from 15th-20th March 2021 in virtual mode.

Faculty Achievements

Journal Papers Published by the Faculty

- Dr.D.Vasumathi, Professor has published a paper titled "Performance Analysis to Enhance QoS using Super Cluster Heads In Mobile Wireless Sensor Networks", *Int.Journal of Computational and Information Science*, volume No: 11, Issue No: 2, Page No: 267-276 in February 2021.
- Dr.D.Vasumathi, Professor has published a paper titled, "Passive Monitoring of User Updation for Reliable Intrusion Detection System" International Journal of Advanced Research in Engineering and Technology (IJARET), Volume No: 12, Issue No: 1, January 2021, Page No: 1043-1052, DOI: 10.34218/IJARET.12.1.2021.095.
- Dr.D.Vasumathi, Professor has published a paper titled "A Novel Approach for Extraction of Distinguish Emotions for Semantic Granularity Level Sentiment Analysis in Multilingual Context", *Int. J.*
- Recent Advances in Computer Science and Communications, Volume No: 13, Issue No: 1, Page No: 1-11 in 2021.
- Dr.K.P.Supreethi, Professor has published a paper titled "Full Direction Local Neighbors Pattern (FDLNP) A Novel Method for Multimedia Image Retrieval System using Ensemble Classifiers on Distributed Framework", International Journal of Advanced Computer Science and Applications, Volume No: 12, Issue No: 1 in 2021. Available:

10.14569/ijacsa. 2021.0120116.

- Dr.K.P.Supreethi, Professor has published a paper titled “Facial recognition and attendance system using dlib and face recognition libraries” International Research Journal of Modernization in Engineering Technology and Science Volume No: 03, Issue No: 01, Page No: 409-417 in January 2021.
- Dr.K.P.Supreethi, Professor has published a paper titled “Natural Language Processing with disaster Tweets using Bidirectional LSTM”, Journal of Xi'an University of Architecture & Technology ISSN No: 1006-7930, Volume No: XIII, Issue No: 5 in 2021.
- Dr.K.P.Supreethi, Professor has published paper titled “Online plagiarism detection for images”, Journal of Emerging Technologies and Innovative Research (ISSN 2349-5162), Volume No: 8, Issue No: 5 in May 2021.
- Dr.K.P.Supreethi, Professor has published a paper titled “COVID-19 Diagnostic System Using Medical Image Classification and Retrieval: A Novel Method for Image Analysis” The Computer Journal in 2021.
- Dr.K.P.Supreethi, Professor has published a paper titled “Student Course Prediction using Deep Learning techniques” International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume No: 08, Issue No: 06, Page No: 2822-2828 in June 2021.
- Dr.K.P.Supreethi, Professor has published a paper titled “An Independent Condensed Nearest Neighbor Classification Technique for Medical Image Retrieval” Journal of Ambient Intelligence and Humanized Computing-**Springer-SCI (E)**, Print ISSN:1868-5137, Volume No: 12, Issue No: 10 in March 2021.
- Dr.K.P.Supreethi Professor has published a paper titled “An Approach for Combining Spatial and Textual Skyline Querying Using Indexing Mechanism” Turkish Journal of Computer and Mathematics Education Volume No: 12, Issue No: 11, Page No: 672-680 in May 2021.

Conference Papers Presented by Faculty Members

- Dr.D.Vasumathi, Professor has presented a paper titled “Feature Selection based Reduction in Dimensions and Indexing of Images for Efficient Image Retrieval” in 3rd IEEE International Conference on Emerging Smart Computing and Informatics (IEEE-ESCI 2021), Page No: 456-461 from 05th-07th March 2021. DOI: <https://doi.org/10.1109/ESCI50559.2021.9397054>.
- Dr.D.Vasumathi, Professor has presented a paper titled “Virtual machine consolidation using enhanced crow search optimization algorithm in cloud computing environment,” in *Proceedings Indexed by Springer International conference on Distributed computing and optimization techniques. (ICDCOT-2021)*, Accepted on 21st May 2021.
- Ms.E.Hemalatha, Asst. Prof. presented a paper on

29th Euromicro International Conference on parallel distributed and network based processing titled “An Efficient Practical Non-Blocking Pagerank Algorithm for Large Scale Graphs” from 10th-12th March 2021 in virtual mode.

Details of Patents/Copyrights Filed/Awarded

- Dr.D.Vasumathi, Professor has filed a patent, **Title of the Invention:** A Method of Extractive Text Summarization For Telugu With Improved Sentence Ranking **Publication Date:** 07/05/2021 **Application Number:** 202141009468A
- Dr.D.Vasumathi, Professor has filed a patent, **Title of the Invention:** An Ai Enabled Framework For Efficient Fine Grained Sentiment Analysis In Multilingual Context **Publication Date:** 30/04/2021 **Application Number:** 202141018456A

New Appointments and Promotions

- Dr.A.Govardhan, Professor is appointed as EAMCET- 2021 Convener.
- Dr.M.Chandra Mohan, is appointed as EAMCET - 2021 Co-Convener.
- Dr.M.Chandra Mohan, is appointed as Director of Evaluations, JNT University
- Dr.V.Kamakshi Prasad, is appointed as BoS Chairperson, Dept. of CSE, JNTUH CEH
- Dr.D.Vasumathi, is appointed as Head of the Department, CSE, JNTUH CEH
- Dr.M.Nagaratna, is appointed as Additional Controller of Examinations, JNT University

Students’ Achievements

Research Papers Published

- Mr.Shashank Reddy Boyapally, B.Tech 3rd Year student published paper titled “Facial recognition and attendance system using dlib and face recognition libraries” in International Research Journal of Modernization in Engineering Technology and Science Volume No: 03, Issue No: 01, Page No: 409-417 in January 2021,.
- Mr.Aryan Karnati, Shashank Reddy Boyapally, B.Tech 3rd Year student published paper titled “ Natural Language Processing with disaster Tweets using Bidirectional LSTM”, Journal of Xi'an University of Architecture & Technology ISSN No : 1006-7930, Volume No: XIII, Issue No: 5 in 2021.
- Ms.S.Sowmya Mithra, B.Tech 4th Year student published paper titled “Online plagiarism detection for images” in Journal of Emerging Technologies and Innovative Research (ISSN 2349-5162), Volume No: 8, Issue No: 5 in May 2021.
- Mr.Divit Raina, B.Tech 3rd Year student published paper titled “Student Course Prediction using Deep Learning Techniques” in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume No: 08, Issue No: 06, Page No: 2822-2828 in June 2021.

Any Other Achievements by Students

- Ms.Spoorthi Raj, Mr.Ashrith Reddy, Murtuza Labib of B.Tech (Computer Science Engineering) IV-Year

2021 batch has received the offers from Microsoft for the Highest CTC of 41 LPA.

- Ms. Ameesha of the same batch has received the offer from Walmart for the Highest CTC of 21 LPA.

Department of Metallurgical Engineering

New Equipment / Software Installed

- MAT LAB software installed in the systems (8No.s) in department computer lab during Feb / March 2021.
- Installation of internet ports during Feb / March 2021.

Expert Talks/Guest Lectures Organized for UG/PG Students by the Department

- Parent Teacher meeting conducted through online on 15th January 2021 for B.Tech. (II, III and IV Year) Students.

Students' Achievements

List of students GATE and CAT – 2021 Score Details

SL. No.	Roll No.	Name of the Student	Exam Qualified	Rank Secured	Registration Number
1	1701 1A06 03	Akshay Kumar Prasad	GATE	162	MT21S1 404336
2	1701 1A06 14	P.Bala Ka meshwar	GATE	547	MT21S 814044 92
3	1701 1A06 43	P.Srinivasa Guna Aditya	CAT	27740	200486 68
4	1701 1A06 48	M.Venkata Sai Srinivas	GATE	570	MT21S8 1404298

JNTUH CEH Placements

Sl. No.	Department / Centre	Roll. No.	Name of the Student	Organization Placed in	Salary Offered
1	Metallurgical Engineering	17011 A0603	Akshay Kumar Prasad	Tcs ninja	3.6 LPA
2		17011 A0609	Konda Deepika	Tcs ninja	3.6 LPA
3		17011 A0610	Vallapu Divya	Tcs ninja	3.6 LPA
4		17011 A0614	Kamesh War PeriBala	MTAR	30K /M onth (3.6 LPA)
5		17011 A0616	N.Kritika Reddy	Accenture	4.5 LPA
6		17011 A0619	Mohd Sana Aman	Tcs ninja & Accenture	3.6 LPA/4. 5 LPA

7	17011 A0622	U.Nishk al Chowd ary	MTAR	30K/M onth (3.6 LPA)
8	17011 A0624	P.Pranat hi	Technimax intern	10k/Mo nth(1.2 LPA)
9	17011 A0627	V. Prathy usha	Accenture	4.5 LPA
10	17011 A0628	Ch.Ramy asri	Accenture	4.5 LPA
11	17011 A0631	K. Sai Santhosh	Accenture	4.5 LPA
12	17011 A0638	T. Sneha	Tcs ninja	3.6 LPA
13	17011 A0643	P.Sriniva s Gunad ity	Infosys & Tcs ninja	3.6 LPA/ 3.6 LPA
14	17011 A0644	ChadaSw eatcha	Tcs Ninja & Hero Moto Corp	3.6 LPA/ 7.25 LPA
15	17011 A0646	Sivangi Vardhini	Accenture	4.5 LPA
16	17011 A0651	Vijval Vemula	Tcs ninja	3.6 LPA

Forthcoming Events

- The Department will conduct webinars/expert lectures for the students under TEQIP III.
- If situations become normal the students will be exposed to industrial visits.

Department of Chemical Engineering

New Equipment/Software Installed

- Eight new laboratory equipment were installed in 30th December 2020.

SL. No.	Name of The Dept./ Centre	Place in Which Equipment was Installed	Details of the Equipment	Quantity	Cost of the Equipment
1	Chemical Engineering	Fluid Mechanics Lab	Rotameter	01	35,070/-
2		Mechanical Operations Lab	Froth Floation Cell	01	59,745/-
3		Fluid Mechanics Lab	Drag Co-Efficient Apparatus	01	44,-/100
4		Instrumentation & Processes Control lab	Dynamics of Thermo couple & Thermometer	01	35,175/-
5		Instrumentation & Processes Control lab	Time Constant Measurement In Manometer	01	32,130/-
6		Chemical Reaction Engineering Lab	Isothermal Batch Reactor	01	38,115/-

7		Chemical Reaction Engineering Lab	Mass Transfer With & Without Chemical Reaction	01	44,730/-
8		For all Laboratory Purpose	Ro System	01	1,36,500/-
Total Amount					4,25,565 /-

- MAT LAB software installed in the systems (24No.s) in department computer lab during February/March 2021.
- Installation of internet ports during February/March 2021.

Details of Webinars/Conferences/Seminars/Workshops/FDPs Attended by the Faculty

- Mr.Dipankar Das, Asst. Prof. (C) attended a One Week AICTE Sponsored Short Term Training Program on “Design of Experiments in Engineering” from 04th -09th January 2021 organized by Department of Mechanical Engineering, B.V.Raju Institute of Technology, Hyderabad.
- Mr.Dipankar Das, Asst. Prof. (C) attended a Two Day National Conference on “Carbon capture by chemical absorption using promoted solvent” from 28th-29th January 2021 organized by Department of Chemistry in Association with Department of Chemical Engineering, JNTUH CEH.
- Mr.Dipankar Das, Asst. Prof. (C) attended a Three Day International Workshop on “Environment & Energy” from 01st -03rd March 2021 organized by Centre of Environment, IST, JNTUH.
- Mr.Dipankar Das, Asst. Prof. (C) attended a One Day National Webinar on “Interactive sessions with successful Startup Founders” on 19th March 2021 organized by Institutions Innovation Council and Amity Institute of Biotechnology, Mumbai.
- Mr.Dipankar Das, Asst. Prof. (C) attended a One Day National Webinar on “Corrosion Science and Technology 2021” on 12th May 2021 organized by The Indian Institute of Metals, Kalpakkam Chapter, Tamil Nadu.
- Mr.Dipankar Das, Asst. Prof. (C) attended a Three Day online FDP on “Advances in Chemical Engineering” from 24th-26th May 2021 organized by Chemical Engineering Department Jawaharlal Nehru Engineering College, MGM University, Aurangabad, Maharashtra.
- Mr. Dipankar Das, Asst. Prof. (C) attended a Five Day online FDP on “Safety & Industrial Hygiene” from 22nd-26th June 2021 organized by Department of Chemical Engineering of G.M.R Institute of Technology, Rajam, Andhra Pradesh.

Expert Talks/Guest Lectures Organized for UG/PG Students by the Department

- Parent Teacher meeting conducted through online on

15th January 2021 for B.Tech. (II, III and IV Year) Students.

New Appointments and Promotions

- Prof.T.Bala Narsaiah has joined as Professor on deputation in January 2021.

Students' Achievements

Prizes/Awards for outstanding performance in Academic/Any Other Activities

Sl. No.	Name of the Dept./ Centre	Roll No.	Name of the Student	Rank Secured	GAT E Score	Registration Number
1	Chemical Engg.	17011A0807	A. Arun Kumar	1014	519	CH21S51404442
2		17011A0810	Ch.Kalyan sundar Krishna	2357	381	CH21S56065190
3		17011A0811	V.Kamya	1014	519	CH21S51409050
4		17011A0827	R. Sahiti Krishna	1790	430	CH21S51407101
5		17011A0829	A .Sai Anirudh	565	593	CH21S51409054
6		17011A0831	I.Sai Mohith	2615	361	CH21S51409058
7		17011A0836	B.Shiva Raj	2558	365	CH21S51404162
8		17011A0840	S.Srivalli	2495	369	CH21S51407289
9		17011A0846	B.VenKata Rohith Raj	2295	385	CH21S51407121
10		17011A0850	A.VIswas Reddy	1344	479	CH21S51405634
11		18011A0802	A. Sravya (3 rd Year)	2671	357	CH21S51405550

- Mr.Arun Kumar, IV B.Tech. (Roll No.17011A0807) has received the admission to M. Tech. in IIT, Kharagpur, West Bengal, in Chemical Engineering.
- Mr.I. Sai Mohith, IV B.Tech. (Roll No.17011A0831)

has received the admission to M. Tech. in IIT, Hyderabad, in Chemical Engineering.

- Mr.B.Rohith Raj, IV B.Tech. (Roll No.17011A0846) has received the admission to M. Tech. in IIT, Hyderabad, in Chemical Engineering.
- Mr.A.Vishwas Reddy, IV B.Tech. (Roll No.17011A0850) has received the admission to M. Tech. in IIT, Hyderabad, in Chemical Engineering.
- Mr.R.Sahiti Krishna, IV B.Tech. (Roll No.17011A0827) has received 3rd prize in Elocution, Membership No-SM-67628, conducted by Indian Institute of Chemical Engineers-Hyderabad Regional Centre, on 05th June 2021.
- Ms.V.Kamya, IV B.Tech. (Roll No.17011A0811) has received 1st prize in Technical Quiz, Membership No-SM-69733, conducted by Indian Institute of Chemical Engineers -Hyderabad Regional Centre on 05th June 2021.
- Mr.R.Sahiti Krishna, IV B.Tech. (Roll No.17011A0827) has received 1st prize in Technical Quiz, Membership No-SM-67628, conducted by Indian Institute of Chemical Engineers-Hyderabad Regional Centre on 05th June 2021.
- Mr.A.Sai Anirudh, IV B.Tech. (Roll No.17011A0829) has received 1st prize in Technical Quiz, Membership No-SM-69735, conducted by Indian Institute of Chemical Engineers-Hyderabad Regional Centre on 05th June 2021.

JNTUH CEH Placements

Placement Details 2020- 21

SL. No.	Roll No.	Name of the Student	Name of the Organization	Pack age	Appoin tment Month /Year
1	1701 1A08 11	V.Kamya	Aragen Life Scienc es Pvt. Ltd. Hyderabad	3.4 LPA	19 th May 2021
2	1701 1A08 20	G.Naveen Kumar	Aurobindo Pharma Limited	3.6 LPA	04 th June 2021
3	1701 1A08 22	Tilaru Pavan Kumar	ITC	6.81 LPA	-
4	1701 1A08 27	Ravuri Sahiti Krishna	ITC	6.81 LPA	-
5	1701 1A08 36	B.Shiva Raj	Aurobindo Pharma Ltd.	3.6 LPA	04 th June 2021
6	1701 1A08 40	Sriperamb udur Srivalli	ITC	6.81 LPA	-
7	1701 1A08 47	N.Venkat Sai	Aurobindo Pharma Ltd	3.6 LPA	04 th June 2021

8	1701 1A08 48	S.Venkat A Yuva Raju	Aragen Life Sciences Pvt. Ltd. Hyderabad	3.4 LPA	19 th May 2021
9	1701 1A08 49	N. Vinod Kumar	ITC	6.81 LPA	-
Passed out Students					
10	1601 1A08 32	L.Sanni Babu	Dr. Reddys Laboratori es Ltd	3.5 LPA	08 th Februar y 2021
11	1601 1A08 38	B.Shiva kumar Reddy	Dr. Reddys Laboratori es Ltd	3.5 LPA	08 th Februar y 2021
12	1701 5A08 03	A. Ram esh	Dr. Reddys Laboratori es Ltd	3.5 LPA	08 th Februar y 2021

Forthcoming Events

- The department will conduct webinars/expert lectures for the students.
- If situations become normal the students will be exposed to industrial visits.

Department of Mathematics

Details of Webinars/Conferences/Seminars/ Workshops/FDPs Attended by the Faculty

- Dr.V.Srinivasa Kumar, Asst. Prof. attended a Two Week Refresher Course organized by Department of Mathematics, Ramanujan College, University of Delhi from 16th-30th March 2021.

Faculty Achievements

Journal Papers Published by the Faculty

- Mr.Bagath kumar S and V. Srinivasa kumar, “Quasi-continuity on product spaces” in Turkish Journal of Computer and Mathematics Education Volume No: 12, Issue No: 9, Page No: 1607-1611 in 2021.
- Mr.Purna Chandar Rao, S. Thigarajan and V. Srinivasa kuamr, “Darcy-forchheimer flow of ree-Eyring fluid over an inclined plate with chemical reaction: A statical approach”, Page No: 1-19 in 2021.
- Mr.B.Shankar Goud, Zafar Hayat Khan, Muhammad
- Hamid “Heatgeneration/absorption on MHD flow of a micropolar fluid over a heated stretching surface in the presence of the boundary parameter”, Heat Transfer. 2021; Page No: 1-19, DOI: 10.1002/htj.22165.
- Mr.B.Shankar Goud, Mohammed Fareeduddin and Pudhari Srilatha “Boundary layer and heat transfer Williamson fluid flow over a stretching sheet with Newtonian heating”, Turkish Journal of Computer and Mathematics Education Volume No: 12, Issue No: 10, Page No: 1275-1280 in 2021.
- Mr.M.Anil Kumar, Y.Dharmendar Reddy, V. Srinivasa Rao, B. Shankar Goud “ Thermal radiation impact on MHD heat transfer natural convective nano fluid flow over an impulsively started vertical plate”, Case Studies in Thermal Engineering 24 (2021)100826,

<https://doi.org/10.1016/j.csite.2020.100826>

- Mr.Thadakamalla Srinivasulu, B.Shankar Goud “Effect of Inclined Magnetic Field on Flow, Heat and Mass Transfer of Williamson Nanofluid over a Stretching Sheet”, Case Studies in Thermal Engineering Volume No: 23 in February 2021, 100819, <https://doi.org/10.1016/j.csite.2020.100819>.
- Mr.Megaraju P, Siva Reddy Sheri, Raja Shekar M.N, “Transient MHD flows through an exponentially accelerated isothermal vertical plate with Hall effect and Chemical reaction effect: FEM”, Partial Differential Equations in Applied Mathematics, Volume No: 4, ISSN 2666-8181 in 2021.

Conference Papers Presented by Faculty Members

- Dr.B. Shankar Goud et al. “Suction/Injection Effects On a Stretching Surface Of The Stagnation Point Flow Through Porous Medium With Influence Of Heat Generation” presented at A two day International seminar on “4th International Conference on Innovations in Mechanical Engineering (ICIME-2021)” from 26th-27th February 2021 Hosted by Guru Nanak Institutions (GNI) Ibrahimpatnam, Rangareddy.

Department of Physics

Faculty Achievements

Awards

- Dr.S.Venkateswara Rao, Professor received “National Eminent Editor Award” from International Institute of organized Research on 06th January 2021.
- Dr.S.Venkateswara Rao, Professor received “International Social Worker Award” 2020-21 from International Institute of organized Research on 30th January 2021.
- Dr.S.Venkateswara Rao, Professor received “National Award For Online Teaching During Pandemic Times” from Achievers Association for Health & Educational Growth on 15th March 2021.

Journal Papers Published by the Faculty

- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “U-Shaped Glass Rod As Key Construction Material In The Etrinsic Fiber Optic Sensor To Determine Various Parameters of Liquids At The Operating Wavelength Of 660nm”, Materials Today UGC Care Approved Elsevier Journal, ISBN No/ISSN No. : 2214 - 7853, Volume No: xxx, Issue No xxx Page No 1-15, ELSEVIER in February 2021.
- Dr.S.Venkateswara Rao, “Implementation of U-shaped Probe in the Construction of a Fiber Optic Sensor to Determine the Refractive Index of Liquids in Dynamic Range of 30C to 60C”, Engineering and Scientific International Journal, ISBN No./ISSN No. : 2394 - 7187, Volume No: 8, Issue No: 1, Page No: 1-5, IRDP Group of Journals in January-March 2021.
- Dr.S.Venkateswara Rao, S.Srinivasulu, “Optical Absorption Based Transducer Enabled Optical Fiber Refractive Index Sensor Operating At The Temperature Range of 10c To 60c”, European

Journal Of Molecular & Clinical Medicine UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 2515 - 8260, Volume No: 8, Issue No: 3, Page No: 390-403, Ubiquity Press in March 2021.

- Dr.S.Venkateswara Rao, S.Srinivasulu, “Sensitivity Enhanced Study of Toluene And Acetonitrile Mixtures For Improved Pharmacovigilance Employing A Fiber Optic U-Shaped Glass Sensor”, International Journal Of Pharmaceutical Research UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 0975 - 2366, Volume No: 13, Issue No: 2, Page No: 3154-3169, Advanced Scientific Research in March 2021.
- Dr.S.Venkateswara Rao, S.Srinivasulu, “Materials And Methods Employed In The Construction Of Multipurpose Intensity Modulated Fiber Optic Sensor”, Materials Today UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2214 - 7853, Volume No: xxx, Issue No: xxx, Page No: 1-14, ELSEVIER in March 2021.
- DR.S.Venkateswara Rao, S.Srinivasulu, “Non-Conventional Method of Determination of Refractive Index Using Fiber Optic U-Shaped Glass Sensor In The Study of Certain Biological Fluids”, Annals Of The Romanian Society For Cell Biology UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 1583-6258, Volume No: 25, Issue No: 3, Page No: 5573-5588, Annals of the Romanian Society for Cell Biology in March 2021.
- Dr.S.Venkateswara Rao, S. Srinivasulu, “Comprehensive Study And Experimental Validation of U-Shaped Probe Extrinsic Fiber Optic Sensor For The Measurement Of Refractive Index At Various Temperatures Using A Tunable Light Source”, Information Technology In Industry UGC Care Approved Web Of Science Journal , ISBN No./ISSN No. : 2203-1731, Volume No: 9, Issue No: 2, Page No: 679-693, Science Research Society in March 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “Exploitation of Macro-Bend Induced Loss Mechanism In The Design And Construction of An Optical Fiber Glass Refractometer Operating At Multiple Wavelengths”, International Journal of Pharmaceutical Research UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 0975 - 2366, Volume No: 13, Issue No: 2, Page No: 4071-4083, Advanced Scientific Research in April 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “Application of U-Shaped Hybrid Fiber Optic Sensor To Determine The Temperature Dependent Variation Of Refractive Index of Binary Liquids”, Materials Today UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2241-7853, Volume No: xxx, Issue No: xxx, Page No: 1-7, ELSEVIER in May 2021.
- Dr.S.Venkateswara Rao, S.Srinivasulu, “Direct Contact Evanescent Wave Absorption Enabled Fiber Optic Refractive Index Sensor Operating In The Dinamic Range of 20c To 60c”, Materials Today

UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2241-7853, Volume No: xxx, Issue No: xxx, Page No: 1-7, ELSEVIER in June 2021.

Any Other Achievements by the Faculty

- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Latest Innovation for Future Education (LIFE-2021), Chapter (Page: 11,700-11,712) in Thickest Book In The World*, ESN Publications, 978-81-947019-0-3 in 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Latest Innovation for Future Education (LIFE-2021), Chapter (Page: 10,481-10,487) in Thickest Book In The World*, ESN Publications, 978-81-947019-0-3 in 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Covid-19 And Its Impact Asia Book Of Records & India Book of Records*, ESN Publications, 978-81-947019-4-1 in 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Recent Trends on Multidisciplinary Research*, ESN Publications, 978-93-90781-23-2 in 2021.

Students' Achievements

Research Papers Published

- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*U-Shaped Glass Rod As Key Construction Material In The Extrinsic Fiber Optic Sensor To Determine Various Parameters of Liquids At The Operating Wavelength Of 660nm*”, Materials Today UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2214 - 7853, Volume No: xxx, Issue No: xxx, Page No: 1-15, ELSEVIER in Feb 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Optical Absorption Based Transducer Enabled Optical Fiber Refractive Index Sensor Operating At The Temperature Range of 10c To 60c*”, European Journal Of Molecular & Clinical Medicine UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 2515 - 8260, Volume No: 8, Issue No: 3, Page No: 390-403, Ubiquity Press in March 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Sensitivity Enhanced Study of Toluene And Acetonitrile Mixtures For Improved Pharmacovigilance Employing A Fiber Optic U-Shaped Glass Sensor*”, International Journal Of Pharmaceutical Research UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 0975 - 2366, Volume No: 13, Issue No: 2, Page No: 3154-3169, Advanced Scientific Research in March 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Materials And Methods Employed In The Construction of Multipurpose Intensity Modulated Fiber Optic Sensor*”, Materials Today UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2214 - 7853, Volume No: xxx, Issue No: xxx, Page No: 1-14, ELSEVIER in March 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Non-Conventional Method Of Determination of Refractive Index Using Fiber Optic U-Shaped Glass Sensor In*

The Study of Certain Biological Fluids”, Annals Of The Romanian Society For Cell Biology UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 1583 - 6258, Volume No: 25, Issue No: 3, Page No: 5573-5588, Annals of the Romanian Society for Cell Biology in March 2021.

- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Comprehensive Study And Experimental Validation of U-Shaped Probe Extrinsic Fiber Optic Sensor For The Measurement of Refractive Index At Various Temperatures Using A Tunable Light Source*”, Information Technology In Industry UGC Care Approved Web of Science Journal, ISBN No./ISSN No. : 2203 - 1731, Volume No: 9, Issue No: 2, Page No: 679-693, Science Research Society in March 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Exploitation of Macro-Bend Induced Loss Mechanism In The Design And Construction of An Optical Fiber Glass Refractometer Operating At Multiple Wavelengths*”, International Journal Of Pharmaceutical Research UGC Care Approved Scopus Journal, ISBN No./ISSN No. : 0975 - 2366, Volume No: 13, Issue No: 2, Page No: 4071-4083, Advanced Scientific Research in April 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, “*Application of U-Shaped Hybrid FIBER Optic Sensor To Determine The Temperature Dependent Variation of Refractive Index of Binary Liquids*”, Materials Today UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2241-7853, Volume No: xxx, Issue No: xxx, Page No: 1-7, ELSEVIER in May 2021.
- Mr.S. Srinivasulu, Dr. S. Venkateswara Rao, “*Direct Contact Evanescent Wave Absorption Enabled Fiber Optic Refractive Index Sensor Operating In The Dinamic Range of 20c To 60c*”, Materials Today UGC Care Approved Elsevier Journal, ISBN No./ISSN No. : 2241-7853, Volume No: xxx, Issue No: xxx, Page No: 1-7, ELSEVIER in June 2021.

Any Other Achievements by Students

- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Latest Innovation for Future Education (LIFE-2021), Chapter (Page: 11,700-11,712) in Thickest Book In The World*, ESN Publications, 978-81-947019-0-3 in 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Latest Innovation for Future Education (LIFE-2021), Chapter (Page: 10,481-10,487) in Thickest Book In The World*, ESN Publications, 978-81-947019-0-3 in 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Covid-19 And Its Impact Asia Book of Records & India Book Of Records*, ESN Publications, 978-81-947019-4-1 in 2021.
- Mr.S.Srinivasulu, Dr.S.Venkateswara Rao, et al., *Recent Trends on Multidisciplinary Research*, ESN Publications, 978-93-90781-23-2 in 2021.

Department of Chemistry

Details of Conferences/Seminars/Workshops/ FDPs Organized by the Faculty

- Dr.B.Rama Devi as a convener to organized a Two Day National Conference on “Advances in Chemistry and Chemical Engineering (Ncacace-2021) from 28th-29th January 2021 funded by TEQIP-III on the eve of superannuation of Prof. M. Thirumala Chary.

Faculty Achievements

Journal Papers Presented by Faculty Members

- Dr.P.Aparna, Asst. Prof. of Chemistry presented a paper entitled " One-pot as well as Multi-step Synthesis of N-alkylated (Z)-3-(1H-indole-3-yl)-2-(4-(2-oxo-2H-chromen3yl) thiaz ol-2-yl) acrylonitriles under green reaction pathways and evaluation of their Anti-Hepato Cellular Carcinoma Studies with Molecular Docking” in National Conference on Advances in Chemistry And Chemical Engineering (NCACACE-2021) organized by Department of Chemistry, JNTUH CEH from 28th-29th January 2021.
- Dr.T.Sabithakala, Asst. Prof. of Chemistry presented a paper entitled "Synthesis, Characterisation and Biological Activity of Benzimidazole based Copper (II) mixed Ligand Complexes" in National Conference on Advances in Chemistry And Chemical Engineering (NCACACE-2021) organized by Department of Chemistry, JNTUH CEH from 28th-29th January 2021.
- Dr.T.Ashok Kumar, Asst. Prof. (C) presented a paper entitled "Green Catalysis: Syntheses and Anti-Cancer Evaluation of Some New 2-heterostyrylbenzimidazoles using Triacetylborate-glycerol" in National Conference on Advances in Chemistry and Chemical Engineering (NCACACE-2021) organized by Department of Chemistry, JNTUH CEH from 28th-29th January 2021.

New Appointments and Promotions

- Dr. B. Rama Devi, Professor of Chemistry appointed as Chairperson, Classroom Complex on 01st February 2021.
- Dr. B. Rama Devi, Professor of Chemistry appointed as Head, Department of Chemistry on 01st February 2021.

Department of Humanities & Social Sciences

Details of Conferences/Seminars/Workshops/ FDPs Organized by the Faculty

- Dr.V.Parvathi, Professor of English & HoD was the Coordinator of the Six Day Short Term Course on “Value Education” with UGC Funds, from 25th January to 01th February 2021 at UGC HRDC with 55 participants.

Details of Conferences/Seminars/Workshops/ FDPs Attended by the Faculty

English

- Dr.V.Parvathi, Professor of English & HoD attended a Six Day workshop on “Gita for Youth” E-course

from 19th-24th June 2021 organized by Hare Krishna Golden Temple.

- Dr.NVSN Lakshmi, Asst. Prof. attended a Two Day Symposium on “CURAJ International Linguistics Symposium on Recent Theories in Linguistics and Their Application” from 17th-18th March 2021 organized by Central University of Rajasthan.
- Dr.NVSN Lakshmi, Asst. Prof. attended a One Day Webinar on “English Spelling and Pronunciation: Are they too far or too near? ELTAI Webinar 43” on 07th March 2021 organized by ELTAI.
- Mr.K.Balraj, Asst. Prof. (C) attended an Two Day International Conference on “Space, Narratives and South Asian Diasporic/ Transnational Experiences” from 04th-05th March 2021 organized by the Indo-Canadian Studies Centre, University of Mumbai.
- Mr.K.Balraj, Asst. Prof. (C) attended a Two Day National Level Webinar on “Introduction to Diaspora Literature & Feminism and Translation in India” from 27th-28th February 2021 organized by the PG Department of English, Government Arts and Science College Kallakurichi, Tamilnadu.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Two Day FDP on “An insight into National Education Policy” from 23rd-24th June 2021 organized by MBITS Kerala.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Two Day FDP on “Impact of NEP 2020 on Quality parameters in institutions of Higher Education” from 29th-30th April 2021 organized by MNWC, Mumbai.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Three Day FDP on “An International Talk series commaration shakespere” from 21st-23rd April 2021 organized by KCLAS, Tamilnadu.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Two Day FDP on “Recent theories in linguistics and their applications” from 17th-18th March 2021 organized by curaj international linguistics symposium, Rajasthan.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Two Day FDP on “Vocabulary Building Strategies for Language Learning” from 17th-18th March 2021 organized by SWRCW, Karimnagar, Telangana.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Five Day FDP on “Impact on Coved 19 on Global Economy” from 03rd-07th March 2021 organized by Jayaraj Annapakinam College for Women, Tamilnadu.
- Mr.B.Amarender Rao, Asst. Prof. (C) attended a Two Day Plenary webinar by David Christian from 23rd-24th January 2021 organized by S.S.N. College of Engineering, Tamilnadu.
- Dr.G.Thirupathi, Asst. Prof. (C) attended a Two Day webinar on “Novel and Theatre: Convergences and Divergences” from 06th-07th June 2021 organized by Kamaraju College Thuthukudi.
- Dr. Indira Rani, Asst. Prof. (C) attended a Two Day

Plenary Webinar by David Christian from 23rd-24th January 2021 organized by S.S.N. College of Engineering, Tamilnadu.

Management Studies

- Dr.R.Narsaiah, Asst. Prof. (C) attended One Day International Linguistics Symposium on “Recent Theories in Linguistics and their Applications” on 17th March 2021 organized by CURAJ, Rajasthan.
- Mr.Md.Anjum Pasha, Asst. Prof. (C) attended a One Day International Webinar on “Impact of Covid-19 on Global Economy” on 03rd March 2021 organized by PG & Research Centre of Commerce, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Tamilnadu.
- Mr.Md.Anjum Pasha, Asst. Prof. (C) attended a One Day Webinar on “Vocabulary Building Strategies for Language Learning” on 17th March 2021 organized by the Department of English, TSWRDC (W), Karimnagar.
- Mr.Md.Anjum Pasha, Asst. Prof. (C) attended a National Level One Week FDP on “Research Methodology” from 26th April to 01st May 2021 organised by Amar Sewa Mandal’s Kamal Nehru Mahavidyala, Nagpur.
- Mr.Md.Anjum Pasha, Asst. Prof. (C) attended a One Day National Webinar on “Impact of NEP 2020 on Quality Parameter in Institutions of Higher Education” on 30th April 2021 organized by Maniben Nanavati Women’s College, Mumbai.
- Mr.Md.Anjum Pasha, Asst. Prof. (C) attended a One Day Webinar on “An insight into National Education Policy (NEP) 2020 on 23rd June 2021 organized by IQAC, MBITS.
- Dr.Gampala Prabhakar, Asst. Prof. (C) attended a Three Day Workshop on “Mental Health for all Psychological Well-Being During and Beyond Covid 19” from 08th-10th January 2021 organized by University College of Education, Osmania University, Hyderabad.
- Dr.Gampala Prabhakar, Asst. Prof. (C) attended a One Week online FDP on “ICT tools for Effective Teaching-Learning” from 26th April to 02nd May 2021 organized by Department of Commerce, Telangana University, Nizamabad.

Keynote Address/Invited Talks/Expert Lectures delivered by the Faculty

- Dr.NVSN Lakshmi, Asst. Prof. as a Resource Person in a Training on “Aviation English Language Proficiency Testing” Hyderabad Training Centre, Airports Authority of India on 12th March 2021.

Faculty Achievements

Journal Papers Published by the Faculty

- Y.Raghunatha Rao, Dr. Parvathi. V, published a paper in International Journal “*The Images of Flashback and Flash Forward Digressions and Distotions in the Narrative Sequences of Amitav Ghosh's Novel River of Smoke*” Research Journal of English Language and Literature (RJELAL), ISBN

No.2395-2636, Volume No: 09, Issue No: 02, Page No: 69-73, K.Y.Publication, in April-June 2021.

Entrepreneurship Development Cell

- 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 is for a duration of 2-weeks, training to the Faculty who in turn help promote the cause of Entrepreneurship in the Institutions where they are employed.

- Entrepreneurship Development Cell, JNTUH, has 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 the financial year 2020-21

SL. 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 waste water using movable 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 & Petrolengines	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

MSME-TBI Incubation

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

SL. No.	Name of the Incubate	Idea	Proposed Fund (Rs. In Lakhs)
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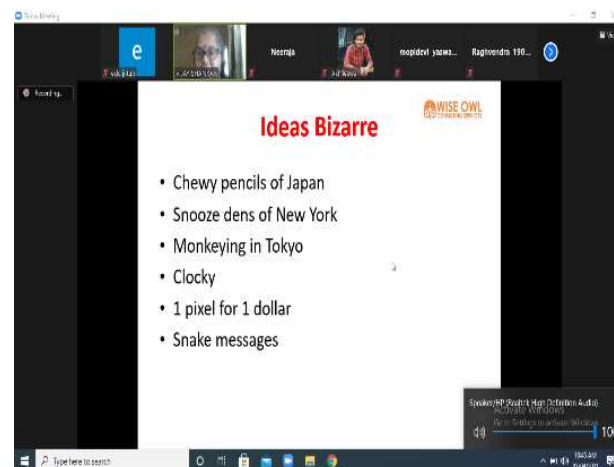
1.	Dr. Bhagawan	Development of mobile Electrochemical reactor	11.90
2.	Mr. Viswanadh	Ergonomically designed backpack to avoid back pain, fatigue and to reduce impact on spine during accidents	12.75
		Total	24.65

LIST OF PROGRAMS CONDUCTED BY EDC CELL JNTUH FOR THE FINANCIAL YEAR- 2020-2021

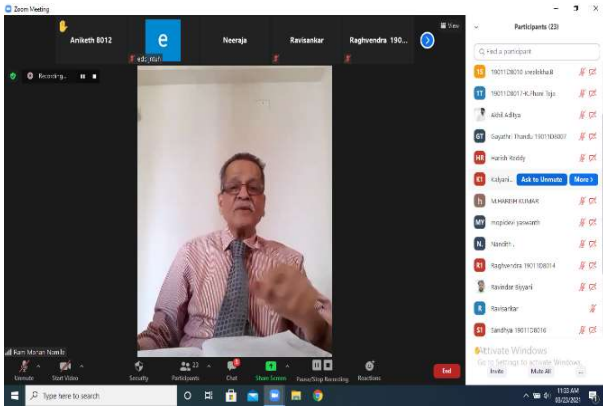
SL. No.	Program Name	Chief Sponser	Conducted at	Program duration	No. of Participants
1	Online Program Entrepreneurship Awareness Camp (EAC)	EDC CELL JNTUH	JNTUH JAGIT HYAL	08 th -09 th January 2021	50
2	Online Entrepreneurship Development program (EDP)	EDII-DST-NIMAT Project	JNTUH CEH, Hyd.	03 rd -30 th March 2021	50
				Total	100

Forthcoming Events

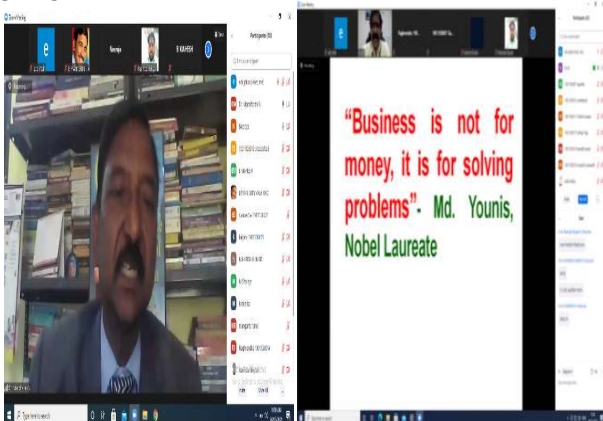
- Entrepreneurship Awareness Camps (3 Days)
- Entrepreneurship Development Program (1Month)



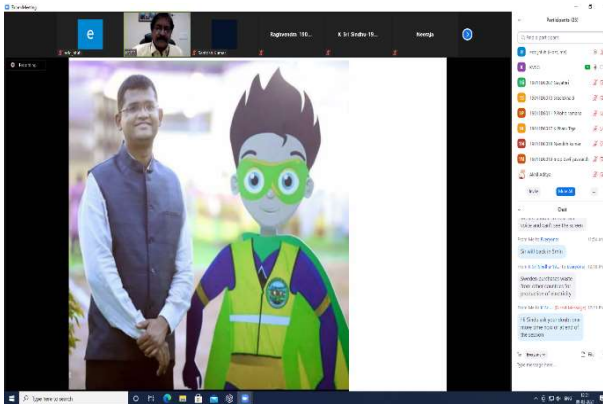
EDP Inputs Given By Dr.Radhika Meenakshi, Dr.Manoharan, and Dr. Murali Krishna



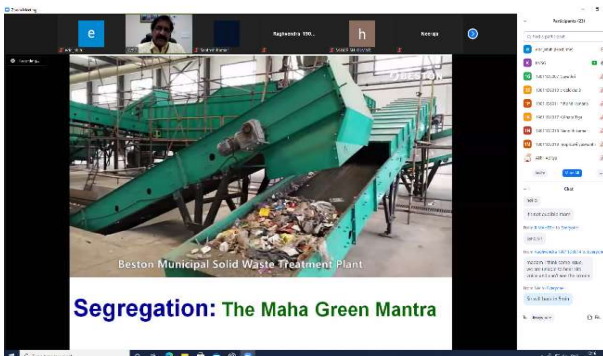
Mr. Ramamohan, Faculty of EDP, briefing about Bank formalities for getting business loans



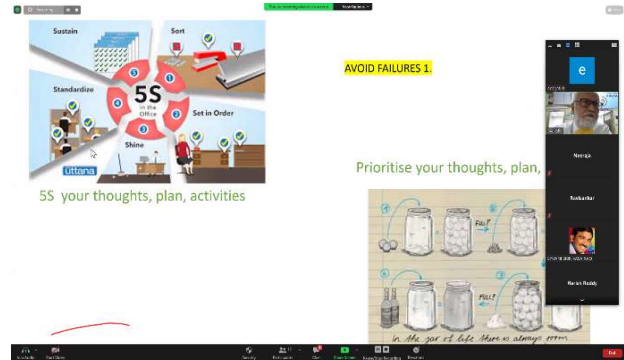
EDP Inputs Given By Dr. Radhika Meenakshi, Dr. Manoharan, and Dr. Murali Krishna



Mr. Ramamohan, Faculty of EDP, briefing about Bank formalities for getting business loans



EDP Training Given By Mr. Vivek Ranga Bhashyam, Dr. Suresh Akella.



EDP Training Given By Mr. Vivek Ranga Bhashyam, Dr. Suresh Akella.

Alumni Activities

Induction Program series for the 1st year students

- Scope of Engineering-Need of Skills-Role of Alumni. On 27th March 2021 by Dr. P. Bhramara Placement officer and Professor I/C of Alumni Affairs.
- Convert potential energy into performance on 20th March 2021 by Mr. Ramesh Vemuganti Global Speaker and corporate trainer
- A successful engineering & Must do activities in B.Tech. 1st Year on 23rd March 2021 by Mr. K. Diwakar Director (Retd), Bharath Dynamics Limited.

Monthly Webinar Series by JNTUHUSA chapters

- Open Innovation J-Hub overview and innovation challenge by distinguished speakers and guests by Varad Rajan Krishna co-founder and CEO, The Gain co-founder, 100 open start-ups banglore, India & Dr. Vijay kumara Gunta Director, J-HUB (JNTUH Innovation Hub) Professor, Computer Science Hyderabad, India.
- Academic Entrepreneurship and navigating your professional journey on 10th April 2021 by the speakers Dr. Kishore Pochiraju Associate Dean of Undergraduate studies, Stevens institute of technology USA and by Mr. Ramesh Vemuganti Global Speaker, Executive coach, Visiting Faculty (MBA), Management Consultant, Mentor, Author.
- Entrepreneurs creating successful innovations for the communities on 13th March 2021 by Ramaswami (MR), Founder, Indiaspora & CEF USA & Mr. Srinivas Adepu Founder & CTO, Flexmotiv (Flexmo) Mech Batch of 2015 JNTUH CEH.
- Driving innovations with emerging technologies on 13th February 2021. Dr. John Cohn IBM fellow IBM AI research USA.
- Career guide to entrepreneurship & leveraging social networks for career growth on 09th January 2021 by Chief Guest & Inaugural Keynote Mariett Ramm Founder Billionaire Chronicle Forbes Business Council Member France, Valedictory Keynote Dr. Prasad Balkundi, Associate Professor and Chair State University of New York, Buffalo, New York USA.

Webinars and Guest talks by Alumni

- Convert potential energy into performance by Mr.Ramesh Vemuganti global Speaker and corporate trainer on 20th March 2021.

Alumni Achievements

- Congratulations to Mr.Sripad Sivananda, alumnus of batch 1995 Mech being listed by Forbes among the leaders who transformed the business for a radically different world.
- We feel happy and proud that our Distinguish Alumni Dr.Srinivas Rao batch of 1985 Mechanical is appointed as Director, NSTL Vizag. Naval Science and Technological Laboratory. He was the project Director of the Country's Prestigious Mission Shakthi project. We Alumni Association wish him all the best.
- Mr. Kaushal Gujarati, batch of 2020 who is presently doing masters in IIT Hyderabad along with team of students under the guidance of eminent faculty has come up with excellent per learning model for the students of JNTU CEH. The overwhelming response of students to the training program shows the well designed training modules.
- Congratulations to our Alumnus, Mr.Sai krishna, Batch of 2010 Mech for scoring 08th rank in UPSC Engineering Services Exam 2020. Your Alma Mater is proud of you.
- Mr.Murali Vylur, Batch of 1995 Mech, an IT professional with over 23 years of experience across India, USA, and UK presents the podcast on "Evolution of IT Professionals". It focuses on how they started their journey in IT, how they overcame various challenges and how they continued to evolve over many years. This could be ideal and more valuable for IT career aspirants and young IT professionals who get pulled into a lot of different directions, or face challenges with lack of awareness and clarity in shaping up their careers. Dear Students and Alumni, tune into the podcast to gain insights from these evolution journeys could help enable the young IT professionals to have fulfilling IT careers. The podcasts can be heard from any platform such as Spotify, Apple or Google podcast. The audio link is attached.
<https://drive.google.com/file/d/1tCoxSM9vigklzt5ftcyqMUox1EoWNq7z/view?usp=sharing>
- PayPal EVP & CTO Sri. Shivananda, Batch of 1995 Mech spoke about taking smart risks to build confidence, the importance of having a beginner's mind, and much more.
- Our Alumni Portal Technology Partner "Vaave" is bringing on its **13x Forum** (*Learn from your Alumni Everything that matters in the Industry!*) a talk organized by Vishwakarma Institute of Technology to discuss about opportunities in Japan.
- With good wishes of my friends & seniors, I completed 200 Training programs for Small, Medium scale companies, Startups & Corporates. From 08th March, I trained a group of around 20 Entrepreneurs

in Sales, Social media marketing and Life skills for 2 1/2 days at MSME Dev Inst, Govt. of India, Balanagar. Ramesh Vemuganti B.Tech (ECE) Batch of 1980.

- Mr.C.Rama Murthy, Alumni of batch 1983, Former Scientist at DRDO, who later worked in R&D CMC and Honeywell, has visited campus to discuss training and organization of webinars/ workshops in the field of MEMS.MEMS are Micro Electro Mechanical Systems which are developed using micro fabrication techniques with several interdisciplinary applications. Thank you sir for your attempts to bring the experts in the field for the benefit of our students. We sure will take it forward.

Training and Placement Cell

Details during January, 2021 - June, 2021

List of Companies Visited

SL. No.	Company Name	Departments	No. of Selected	Package (LPA)
1	DBS	CSE	1	7.86 LPA
2	Microsoft	CSE	3	41.0 LPA
3	Optum	All UG (No IDP)	2	7.78 LPA
4	Prodapt	CSE, ECE, EEE (No IDP)	2	3.3 LPA
5	Medha Servo	ECE, EEE, Mech	1	3.5 LPA
6	Q Spiders	All UG	10	Training
7	Hyundai Trans	Mech (only regular)	4	3-3.5 LPA
8	ITC	Chemical	4	6.82 LPA
9	GVK Bio Sciences	Chemical	3	3.5 LPA
10	White Hat Jr.	All UG	1	4.0 LPA
11	Innominds	All UG	2	3.5 LPA
12	MRF	EEE, Mech	1	3.5 LPA
13	Enquero Global	EEE, CSE, ECE	3	6 LPA
14	MTAR Technologi Es	Mech, Mett	25	3.6 LPA
15	Hero Motocorp	Mech, Mett	5	7.25 LPA
16	Technip FMC	Mech	1	6 LPA
17	LTI ICC	All UG (IDP not included)	1	6.5, 8 LPA
18	Thought Works	CSE	2	8.3 LPA
19	MTX	CSE	2	6.5 LPA
No. of Students Placed			73	

Highest Salary Offered	41.0 LPA
Average Salary Offered	9.0 LPA
Minimum Salary Offered	3.5 LPA

Startup Cell

Activities

- Conducted three speaker sessions along with student club E-cell:
- Speaker Session by Mr. Akula Adithya, CEO. & Founder of Saavishkara (Our College passed out student from Metallurgy) on 09th January 2021.
- Speaker Session by Mr. Sanjay Nikkanti, Founder of Dhruva Space on 12th January 2021.
- Speaker Session by Rahul Kanuganti, CEO. & Founder of FLYTTA on 16th January 2021.
- Six teams have registered for Toycathon 2021-hackathon organized by MHRD, India. One team has been selected to participate on 14th February 2021.
- An awareness programme (online) for First Year B.Tech students has been conducted on 27th February 2021. 259 students have participated and interacted with hackathon winners (senior students).
- Five teams have participated in JHUB innovation challenge in May 2021.
- Four teams of II Year B.Tech students have participated in ENLITE programme conducted by JHUB on 10th June 2021.
- An online hackathon has been conducted on Problems faced in lockdown for first Year B.Tech students exclusively. Nine teams have registered on 03rd June 2021. Teams' ideas were evaluated on 18th June 2021 Prof. S.Devaki Rani, Prof.P.Srilakshmi are the Jury members.
- The following team secured top position:
Lakhan Chitlangi (20011A0123),
Nikhitha Dharbastu (20011A0112)
Akash Vijayagiri (20011A0152)
- The Team with the following six students have participated in Three Day Toycathon conducted online by the nodal centre KIT-Tiptur from 22nd-24th June 2021.

P. Srinija (Team Leader) - IV B.Tech (ECE)
B. Abhinav - II B.Tech (CSE)
M. Roshini - II B.Tech (EEE)
S. Udhitha - III B.Tech (ECE)
T. Sudeep - III B.Tech (CSE)
S. Srija - III B.Tech (CSE)

TEQIP -III

Details of Conferences/Seminars/Workshops/ FDPs Organized by the Faculty

SL. No.	Department	Name of the faculty	Name of the Activity	Duration
1	Mechanical Engineering	Dr. E. Ramjee Professor, MED, Coordinator, TEQIP-III	Webinar on NEP-2020	24 th February 2021
2	Mechanical Engineering	Dr. A. Aruna Kumari, Professor, MED	Online Short Term Course on "Hybrid Vehicle Technology	11 th -13 th February 2021

3	Professor of Chemistry Department	Dr. B. Rama Devi, Professor, Head Chemistry Department	JNTUH CEH	28 th -29 th January 2021
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Details of Conferences/Seminars/Workshops/ FDPs Attended by the Faculty

SL. No.	Department	Name of the Faculty	Name of the Activity	Date & Duration	Organized institute
1	Centre for Energy studies, Mechanical Engg. Dept.	Dr. M. T. Naik, Prof.	Faculty Development Programme	28 th - 30 th Jan 2021	ESCI, Goa
2	Mechanical Engg. Dept.	Dr.B.Anjaneya Prasad	Faculty Development Programme	28 th - 30 th Jan 2021	ESCI, Goa
3	Mechanical Engg. Dept.	Dr.G.Krishna Mohana Rao, Prof.	Faculty Development Programme	28 th - 30 th January 2021	ESCI, Goa
4	Professor of Coordination	Dr.P.Chandrasekhara Reddy, Prof.	Faculty Development Programme	28 th - 30 th Jan 2021	ESCI, Goa

Workshops/Conferences/FDPs/ Training programmes attended by the Nonteaching Staff members under TEQIP-III

Sl. No.	Name of the Staff	Department	Title of Programme	Organizing institute and Venue	Date
1	Mohd. Musthaq Mohiuddin	Mechanical Engg. Dept.	Capacity Building Training	Shimla ESCI	13 th -16 th March 2021
2	P.Venkatesh	Civil Engg. Dept.	Capacity Building Training	Shimla ESCI	13 th -16 th March 2021
3	Mohd. Omer	Mechanical Engg. Dept.	Capacity Building Training	Shimla ESCI	13 th - 16 th March 2021
4	P.Tirupati Rao	Mechanical Engin	Capacity Building	Shimla ESCI	13 th - 16 th

		Engineering Dept.	Training		March 2021
5	Smt.M. Hamsa Veni,	Assistant registrar	Capacity Building Training	Port Blair, Andaman & Nicobar	25 th -28 th Feb 2021

R & D Projects under CoE, TEQIP-III

Sl. No.	Name of the Faculty	Department	Title of the Project
1	Dr.V.Padmavathi, Professor	Civil Engineering	Landslides Prediction of Displacements of Soil on slopes
2	Dr.V.Padmavathi, Professor	Civil Engineering	Prediction of Settlements of Reinforced Slopes on Soft Ground
3	Dr.D.Sreenivasa Rao, Professor	ECE	Prediction of Landslides due to Gravelly soil
4	Dr.D.Sreenivasa Rao, Professor	ECE	Development of Coal Mine Safety Monitoring and Alerting System using Iots to mitigate Coal Mine Accidents
5	Dr.D.Sreenivasa Rao, Professor	ECE	Avalanching forecasting System using IoT to Mitigate Avalanche Hazards
6	Dr.A.Kavitha, Associate Professor	CSE	Warning System for Flash flood Disaster Preparedness And Sensor based Rescue Management System
7	Dr.A.Kavitha, Associate Professor	CSE	Sensor based Rescue Management System
8	Dr.A.Jaya Laxmi, Professor	EEE	Design of Energy Monitoring and Management System Using IoT
9	Dr.G.Krishna Mohana Rao, Professor	Mechanical Engineering	Development of Sustainable Machining Technology using Advanced Coated Tools for Turning of Ti6Al4V/Iron based Nickel

			super alloy components
10	Dr.B.Siva Konda Reddy, Associate Professor	Civil Engineering	Influence of Varying Magnetic Field Strength on The Hydration Properties of Cement Paste
11	Dr.K. M. Lakshmana Rao, Professor	Civil Engineering	“CV and AI based approach to track rainfall and water flow mobility correlation- a lead on tracking flash flood occurrence
12	Dr.K.M.Lakshmana Rao, Professor	Civil Engineering	“Air Pollution Control Technologies Systemf”
13	Dr.P.Prasanna, Assistant Professor	Mechanical Engineering	Centre for Organic and Hybrid Electronics Research” Proposal for Establishing a Cutting-Edge Organic and Hybrid Electronic Research Centre
14	A. Raghuram Professor	EEE	Design and Development of hybrid wind Solar Energy System

TEQIP-III CoE Procurement

Sl. No.	Department	Date	Package code	Name of the Equipment	Quantity
1	ECE	04-03-2021	TEQIP-III/2021/TL/jehk/226	Multu Gas Detector	1
2	ECE	03-03-2021	TEQIP-III/2021/TL/jehk/225	Weather Station Monitoring	1
3	ECE	15-03-2021	TEQIP-III/2021/TL/jehk/224	Digital Water Level Recorder (DWLR)	1
4	ECE	15-03-2021	TEQIP-III/2021/TL/jehk/220	Server	2
5	ECE	23-03-2021	TEQIP-III/2021/TL/jehk/218	Vibration monitor	1

6	CSE	23-03-2021	TQIP-III/2021/TL/jehk/221	Exata Network Software	1
7	CSE	27-03-2021	TEQIP-III/2021/TL/jehk/222	Windows 10 OS Desktop	2

Institute Level Procurement

Sl. No.	Department	Date	Package code	Name of the Equipment	Quantity
1	Institute Level	16-03-2021	TEQIP-III/2020/TL/jehk/214	High end Server	1



JNTUH Golden Jubilee Celebrations Logo



JNTUH CEH Students at Technical Fest.



Traditional Day Celebrations at JNTUH CEH

JNTUH College of Engineering, Sultanpur Details of Webinars/ Conferences/ Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty

- Mrs.G.Meher Shilpa, Asst. Prof. (C) attended an Eighth Week FDP certified course on “Wheeled Mobile Robot” organized by (NPTEL) IIT- Madras from January to March 2021.
- Mrs.G.Meher Shilpa, Asst. Prof. (C) attended a Four Week FDP certified course on “Machining Science” organized by (NPTEL) IIT- Madras from January to February 2021.
- Mr.S.Ravinder and Mrs.G.Meher Shilpa, Asst. Professors (C) attended One Week FDP on “Recent Developments in Manufacturing Technology” organized by Department of Mechanical Engineering of Sreyas Institute of Engineering and Technology from 21st- 26th June 2021.

Keynote Address/ Invited Talks/Expert Lectures Delivered by the Faculty

- Dr.Y.Raghavender Rao, Professor & HoD delivered a talk in a One Day National AICTE sponsored workshop on “Medical image processing for Automatic Disease Detection-Phase I” on 24th April 2021 organized by St. Martin’s Engineering College, Hyderabad.
- Dr.Y.Raghavender Rao Professor & HOD delivered a talk in a One Day National AICTE sponsored workshop on “Medical Image Processing for Automatic Disease Detection-Phase III” on 19th June 2021 organized by St. Martin’s Engineering College, Hyderabad.
- Mr.V.Rajanesh, Asst. Prof. delivered a talk in a One Day National AICTE sponsored workshop on “Medical Image Processing for Automatic Disease Detection-Phase I” on 18th April 2021 organized by St. Martin’s Engineering College, Hyderabad.
- Mr.V.Rajanesh, Asst. Prof. delivered a talk in a One Day National AICTE sponsored workshop on “Medical Image Processing for Automatic Disease Detection-Phase III” on 22nd June 2021 organized by St. Martin’s Engineering College, Hyderabad.

Faculty Achievements

Journal Papers Published by the Faculty

- Mrs.G.Meher Shilpa, Asst. Prof. published a paper in International Journal titled “Design and Analysis for

Mobile Robot” for Research in Engineering Application and Management (IJREAM) vol-07, Issue-02, in May 2021 ISSN: 2454-9150.

Any Other Achievements by the Staff

- Dr.M.Shailaja, Professor of Mechanical Engineering received a certificate of Appreciation from Texas Instruments and AICTE for fostering the ecosystem bridging Government, Academia and Industry in the subject “IT Embedded System Design using MSP430™ MCU MOOC” as NPTEL-SPOC, JNTUH CES.

Students’ Achievements

Prizes/Awards for Outstanding Performance in Academic/Any Other Activities

SL. No.	Name of the Student	Year of Study	Name of the Competition	Exam Qualified	Rank Secured
1	Addanki Sai Ram	IV. B.TECH	GATE	YES	1337
2	B Bhanu Prakash Reddy	IV B.TECH	GATE	YES	2935
3	Laasya Tamraparni	IV. B.TECH	GATE	YES	2345
4	Sai Sandeep Pitchuka	IV B.TECH	GATE	YES	4399
5	B. Keerthi	IV. B.TECH	GATE	YES	4245
6	Vijay Bharath Pammi	IV. B.TECH	GATE	YES	5719
7	E.Nishitha	IV. B.TECH	GATE	YES	7394
8	Aashritha Sandiri	IV B.TECH	GATE	YES	8226
9	Aloke Kumar. V	IV. B.TECH	GATE	YES	11101
10	Rama Krishna.K	IV. B.TECH	GATE	YES	13840
11	Thirupathi. Ambala	IV B.TECH	GATE	YES	17886
12	Sagar Moluguri	IV B.TECH	GATE	YES	19256
13	E.Nishitha	IV B.TECH	GATE	YES	1801
14	Nallabelly NihalKumar	IV B.TECH	GRE	YES	325/340
15	D.Sri	IV B.TECH	GRE	YES	305/340

	Pranavi				
16	G. Vamshi Krishna	IV B.TECH	GRE	YES	303/340

NSS/NCC Activities



In View of NSS Plantation Programme at JNTUH College of Engineering Sultanpur Prof. Manzoor Hussain, Registrar- JNTUH, Prof. B.Balu Naik, Principal- JNTUHCES, Prof NS Dileep Kumar Unit –I NSS Coordinator attended and planted 200 No’s of plants in the campus provided by the Forest Department, Sangareddy Division.



In View of Covid-19 Dr. BV Ramnaresh Yadav NSS Coordinator JNTUHCES distributed N-95 Masks and Sanitizers to the Students and Staff of the JNTUH CES.

JNTUH Placements

SL. No.	Organization	Number of Offers	CTC
1	NATWEST GROUP	1	9 LPA
2	THOUGHT WORK	1	8 LPA
3	TCS	19	7 LPA 3.36 LPA
4	MTX GROUP INC	1	6.5 LPA
5	WINWIRE TECHNOLOGIES	1	3 LPA
6	HEXAWARE	2	3.5 LPA
7	GERENT LLC	1	6.3 LPA
8	TECH MAHENDRA	5	2.6 LPA
9	CAPGEMINI	2	3.8 LPA
10	ZENQ	7	2.8 LPA
11	VEDA IIT	1	3 LPA
12	RAAM GROUP	3	2.4 LPA
13	CALL HEALTH	1	4 LPA
14	PHENOM PEOPLE PVT LTD	3	6.18 LPA 5.5 LPA
15	TURITO INDIA PRIVATE LIMITED	1	3.6 LPA
16	IBM	2	4.5 LPA
17	ACCENTURE	10	4.5 LPA
18	INFOSYS	20	3.6 LPA
19	VISTEX INDIA PVT LTD	2	3.6 LPA
20	MONOCEPT CONSULTING PVT LTD	1	4 LPA
21	MIND TREE	7	4 LPA
22	TRUEEQUATIONS PVT LTD	1	4 LPA
23	WIPRO	6	3.5 LPA
24	PLANETSPARK	1	4.1 LPA
25	NCR EVERYDAY MADE EASIER	2	3 LPA
26	BRITAX BIO PHOTONIX	1	2.4 LPA
27	MPHASIS	1	3.25 LPA

Any other Achievements Related to the College/Unit

- 300 students from JNTUH CES completed a course during January-June 2021 Semester with SPOKEN TUTORIAL-IIT BOMBAY for learning Free and Open Source Software's (FOSS) under the guidance of Dr. M.Shailaja, Professor of ME, Spoken Tutorial Coordinator JNTUH CES.

Institute of Science and Technology (IST) New Infrastructure Development in the College/Unit

Centre for Environment

- Centre for Environment purchased High End Image Processing Desktop Systems in Geomatics Lab, Centre for Environment for Environmental Management and Environmental Geomatics students class work & Project work with the cost of Rs 14, 70, 000.00 under TEQIP-III in May 2021.

New Equipment/Software Installed

Centre for Environment

- The Department of Centre for Environment purchased COD Digester under UGC Mid Career Award Grant in May, 2021 and Gel Electrophoresis Unit under TEQIP-III, in March 2021 at a cost of Rs. 45,000/- and Rs. 98,000/- respectively.

Details of Webinars/ Conferences/ Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Organized by the Faculty

Centre for Environment

- Dr.M.Anji Reddy, Professor, Centre for Environment, organized a Short Term Training Program on "Environmental Impact Assessment, Green Audit & Environmental Audit" from 19th-25th Feburay 2021 organized by Centre for Environment on online Platform, under TEQIP-III. Chief Guest is Dr. Krishna Mohan, Director IST, JNTUH. Total no. of Participants are 85.
- Dr.V.Himabindu, Professor, organized an International Workshop on "Environment and Energy" from 01st-03rd March 2021 sponsored by TEQIP-III Chief Guest is Mr. Jayesh Ranjan VC, JNTUH.

Center for Nano Science and Technology

- Dr.K.Venkateswara Rao, Professor of NanoTechnology & Controller of Examinations, conducted UGC Sponsored Six Day Online Short Term Course on "Nanomaterial Characterization Techniques" organized by UGC-Human Resource Development Centre, JNTUH, Hyderabad from 04st-09th January 2021, Chief Guests of Inauguration & Valedictory are Dr. Manzoor Hussain, Registrar-JNTUH, Dr.A.Govardhan, Rector-JNTUH, No. of participants are 50.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. of NanoTechnology, conducted Workshop on "IPR, Patenting Writing and Research Methodology" organized by Centre for Nanoscience and

Technology & Centre for Pharmaceutical Science, Institute of Science and Technology, JNTUH, Hyderabad on 27th February 2021 funded by TEQIP-III, Chief Guest of Inauguration, Dr.G. Tulsi Ram Das, Professor, JNTUH & Chief Guest of Valedictory, Dr.Manzoor Hussain, Registrar-JNTUH, No. of participants are 100.

Centre for Spatial Information Technology

- Mr.J.Venkatesh, organized a Three Day Workshop on “Arc-Objects” from 08th-10th February 2021 funded by TEQIP-III.

Centre for Pharmaceutical Sciences

- Dr.M.Sunitha Reddy, Assoc. Prof. conducted ISTE-Sponsored One Week Short Term Training Program (SF-STTP) on “Inspirational Teaching, Learning & Research Methods-Online Educational Tools” from 22nd-27th March 2021.
- Dr.M.Sunitha Reddy, Assoc. Prof. chaired a Session in 8th World conference on Pharmaceutical Science and Drug Manufacturing-BioLeagues from 17th-18th April 2021.
- Dr.M.Sunitha Reddy, Assoc. Prof. conducted One Day Webinar on “IP Philosophy on ANDA Dossier Filling” by Mr.B.Srinivas Rao, Head Global Business Operations, Natco Pharma Ltd. on 23rd January 2021. 450 participants attended, Prof. A.Govardan, Rector and Prof. Manzoor Hussain, Registrar addressed inauguration.
- Dr.M.Sunitha Reddy, Assoc. Prof. conducted One Day Webinar on “Learning Online Tools” by Dr.D.Laxmi and Sri M.Kumar CDAC on 15th Feb 2021. 150 participants attended, Prof. A.Govardan, Rector and Prof. Manzoor Hussain, Registrar addressed inauguration.
- Dr.M.Sunitha Reddy, Assoc. Prof. conducted One Day Webinar on “IPR, Patent Writing and Research Methodology” by Mr. A. Badrinath and Dr.Mohana Krishna Reddy on 27th Feb 2021. 150 participants attended, Prof.A.Govardan, Rector and Prof. Manzoor Hussain, Registrar addressed inauguration.

Details of Webinars/ Conferences/ Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty

Centre for Biotechnology

- Dr.Archana Giri, Professor attended a One Day Webinar on “Innovative tools in crop breeding webinar” Broadcast from ISAAA SEAsia Center on 25th March 2021.
- Dr.Archana Giri, Professor attended a One Day Webinar on “Contributions of Agricultural Biotechnology Adoption in Vietnam” on 07th April 2021.
- Dr.Archana Giri, Professor attended a One Day Webinar on “Building Confidence on COVID Vaccines” on 29th April 2021 by The National Academy of Sciences, India (NASI) Lucknow.
- Dr.Archana Giri, Professor attended a One Day

Webinar on “Translating Genomics for Next Generation Crop Improvement” on 10th June 2021 by Science Serving Society, BCIL.

- Dr.A.Uma, Assoc. Prof. attended a One Day Webinar on "Employee Separation and Retention" on 22nd June 2021 by National Productivity Council (NPC) New Delhi.
- Dr.A.Uma, Assoc. Prof. attended a One Day Webinar On "Transparency Ownership & Responsibility and Employee Engagement" on 18th June 2021 by National Productivity Council (NPC) New Delhi.
- Dr.A.Uma, Assoc. Prof. attended a One Day Webinar On "Project Management: Construction of Project Network using CPM & PERT" on 24th June 2021 by National Productivity Council (NPC) New Delhi.
- Dr.A.Uma, Assoc. Prof. attended a One Day Webinar on "Recognizing Employee Contributions with Pay" on 29th June 2021 by National Productivity Council (NPC) New Delhi.
- Dr.A.Uma, Assoc.Prof. attended a Five Day National Faculty Development Program on “Life Sciences for Engineers” from 23rd-27th June 2021.
- Dr.A.Uma, Assoc. Prof. attended a One Day Webinar on "Full Flow Cytometry: A Better Way of Doing Flow Cytometry" on 08th June 2021 organized by Cytek Biosciences.
- Dr.Anjaneyulu Musini, Asst. Prof. (C) attended a FDP on “Human molecular Genetics” from January to February 2021.

Centre for Environment

- Dr.Ch.Sasikala, Professor & Head, Science Communication: Impact Beyond Publication, organised by India Alliance, on Tuesday 16th February 2021 @ 10:00AM
- Dr.Ch. Sasikala, Professor & Head, World Water Day-IWA (India) Webinar Series-Water Management in a Climate Risked World: New Challenges, organised by International Water Association, on 22nd March 2021.
- Dr.Ch.Sasikala, Professor & Head attended a Webinar on “Surveillance of Houston’s Wastewater to Track Community SARS-CoV-2 Infection Dynamics” on 25th March 2021 at 9:30 PM. organised by American Association of Environmental Engineers and Scientists.
- Dr.Ch.Sasikala, Professor & Head attended a Webinar on “Detecting COVID-19 Variants in Wastewater” on 13th April 2021 organised by The International Waste Association.
- Dr.Ch.Sasikala, Professor & Head attended a Webinar on “Putting Serological SARS-CoV-2 Testing into Context Beginning” on 21st April 2021 at 9:45 AM PDT organised by Labroots.
- Dr.Ch.Sasikala, Professor & Head attended a Webinar on “IGBC Mission on Net ZERO, launch session” organised by Confederation of Indian Industry, on 22nd April 2021.
- Dr.Ch.Sasikala, Professor & Head, Azadi Ka Amrit

Mahotsava Lecture Series titled “Changing Science & Technology Landscape in India: Propelling into the Future” by Dr. Renu Swarup, Secretary to the Govt. of India, Dept. of Biotechnology on 23rd April 2021 at 3:30 PM

- Dr.Ch.Sasikala, Professor & Head Accelerating Innovation and Technology Commercialization through patents organised by Clarivate, on 27th Apr 2021, 12 PM
- Dr.Ch.Sasikala, Professor & Head attended a Webinar on “Exciting Possibilities in Synthetic Biology” on 29th April 2021 organised by Premas Life Sciences.
- Dr.Ch.Sasikala, Professor & Head, LSSSDC-South Cluster TP Meet, organised by Life Sciences Skill Development Council, on 04th May 2021, at 11 AM
- Dr.Ch.Sasikala, Professor & Head, The Impact of SARS-CoV-2 Genomic Surveillance Locally, Nationally, and Globally Sponsored by: Thermo Fisher Scientific on 05th May 2021 at 8:00 AM PDT.
- Dr.Ch.Sasikala, Professor & Head “Towards Circular Economy: Data Enabled Decision Making in Waste Management” on 13th May 2021 at 3:30 PM organised by Circular Economy Network.
- Dr.Ch. Sasikala, Professor & Head attended a Two Day Seminar on “Planctomycetes, Verrucomicrobia and Chlamydiae (PVC)” from 20th May 2021 (5.30 PM to 9.30 PM) – 21st May 2021 (12.30 PM to 4.30 PM) organised by PVC Scientific Committee.
- Dr.Ch.Sasikala, Professor & Head, COVID-19: Protecting Communities with Wastewater-based Epidemiology organized by International Water Association on June 17th 2020.
- Dr.V.Himabindu, Professor attended a One Day Webinar on “Nutrient Pollution: Treatment or Recovery or Both and How” on 16th January 2021 organized by International Water Association (India) Regional Office, Hyderabad.
- Dr.V.Himabindu, Professor attended a One Day Webinar on “Industrial Wastewater Treatment Challenges and Solutions” on 27th February 2021 organized by Department of Civil Engineering, Saraswati College of Engineering, Kharghar, Navi Mumbai, Maharashtra.
- Dr.V.Himabindu, Professor attended a Three Day Webinar 3rd International Conference on “Water and Waste Management” from 24th-26th February 2021 organized by Center for the Transformation of Waste Technology, Naperville IL 60540 USA.
- Dr.T.Vijaya Lakshmi, Assoc. Prof. attended a Five Day Workshop on “Flood Assets Mapping Using GIS” from 31st May 2021 to 04th June 2021 conducted by National Water Academy, Pune.
- Dr.T.Vijaya Lakshmi, Assoc. Prof. attended a One Week Workshop on NASA’s Applied Remote Sensing Training Program on “Introduction to Population Grids and Their Integration with Remote Sensing Data for Sustainable Development and

Disaster Management” from 30th March 2021 to 06th April 2021.

- Dr.R.Ravi Varma, Asst.Prof. (C) attended a online Coursen on “Statistical Data Visualization in Python” by Coursera Project Network on 21st June 2021.
- Dr.R.Ravi Varma, Asst.Prof. (C) attended a online Course on “Municipal Solid Waste Management in Developing Countries ” by École Polytechnique Fédérale de Lausanne, Switzerland and offered through Coursera on 16th June 2021.
- Dr.R.Ravi Varma, Asst.Prof. (C) attended a Online Course on “Introduction to Indoor Air Quality” course authorized by The Hong Kong University of Science and Technology and offered through Coursera in May 2021.
- Dr.R.Ravi Varma, Asst. Prof. (C) attended a online course on “Air Dispersion Modeling for Environmental Management” conducted by Academia de Meio Ambiente & Udemy on 30th May 2021.
- Dr.R.Ravi Varma, Asst. Prof. (C) attended a online Course on “Create Charts and Dashboard using Google Sheets.” offered through Coursera in January 2021.
- Dr.R.Ravi Varma, Asst. Prof. (C) attended a Six Day International Conference on “Envirotech Asia (Theme-Water & Waste Management Technology) online Exhibition & Conference 2021” Virtual Exhibition & Webinar on Environmental Technology from 07th -13th March 2021.
- Dr.R.Ravi Varma, Asst. Prof. (C) attaned a International Workshop on “Environment and Energy” on 01st-03rd March 2021 organized by Centre for Environment, Institute of Science and Technology, JNTUH, Kukatpally, Hyderabad.
- Dr.R.Ravi Varma, Asst. Prof. (C) attended a Short Term Training Program on EIA, Green & Environmental Audit on 19th-25th February 2021 organized by the Centre for Environment, IST, JNTUH, sponsored by TEQIP III, IST, JNTUH.
- Dr.R.Ravi Varma, Asst. Prof.(C) Five Day National SPARC Workshop on “Fuel Cell Technology And Its Research Opportunities” from 04th-08th January 2021 (Virtual Event) organised by Department of Mechanical Engineering, NIT Warangal.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended Five Day online FDP on “Bridge Engineering” from 21st-25th June 2021 organized by KPR Institute of Engineering and Technology, Tamilnadu.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended Five Day online FDP on “Research Integrity & Ethics” from 22nd-26th June 2021 organized by IQAC, Sri Sai Group of Institutions, Badhani, Pathankot.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended One Week online FDP on “Innovation, Incubation, Startups and Research Challenges in

India” from June 01st-05th 2021 organized by IQAC, Sri Sai Group of Institutions, Badhani, Pathankot.

- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended International FDP on “Trends in Automotive Technology” from 17th-22nd May 2021 jointly organized by Wollo University, Kombolcha Institute of Technology, Ethiopia, Sathyabhama Institute of Science & Technology, Chennai and Galgotias University Greater Noida.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended One Week online FDP on “Policy Initiative and Quality Enhancement in Higher Education” from 05th-11th May 2021 organized by Academic Research Group, Kolar.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended Short Term Training Program (STTP) on “Effective Engineering Teaching Practices” from 19th-24th April 2021 organized by National Institute of Technical Teachers Training Research (NITTTR), Chennai, Ministry of Education, Govt of India & Siddhartha Institute of Technology, Vijayawada.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended One Week online Short Term Training Program on “Effective Engineering Teaching Practices” from 19th-24th April 2021 organized by Department of Civil Engineering, Siddhartha Institute of Technology, Kanuru, Vijayawada sponsored by AICTE, Govt of India.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended One Week online FDP on “Mining Industry Development & Technology” from 23rd-28th April 2021 organized by Department of Mining Engineering, J.B. Institute of Engineering & Technology, Hyderabad.
- Dr.A.Vamshi Krishna Reddy, Asst. Prof. (C) attended Two Week online FDP on “Entrepreneurship Development” from 18th-31st January 2021 funded by Department of Science and Technology, Government of India, organized by Central Agricultural University, College of Horticulture and Forestry, Pasighat, Arunachal Pradesh.

Centre for Nano Science and Technology

- Dr.K.Venkateswara Rao, Professor & Controller of Examinations, JNTUH, attended a One Day Webinar on “Latest Developments of Nanotechnology” on 27th February 2021 organized by Andhra Pradesh State Council of Science and Technology (APCOST)
- Dr.K.Venkateswara Rao, Professor & Controller of Examinations, JNTUH, attended a Three Day Webinar on “Advanced Nanomaterials, Nanotechnology and Applications” from 24th-26th February 2021 organized by Department of Electronics and Communication Engineering, Govt of Engineering College Barton Hill, Thiruvanthapuram.
- Dr.K.Venkateswara Rao, Professor & Controller of Examinations, JNTUH, attended a One Day Webinar on “Contaminate and Pollutant Management” on 23rd

April 2021 organized by Department of Chemical Engineering, Kongu Engineering College, Perundurai, Erode.

- Dr.K.Venkateswara Rao, Professor & Controller of Examinations, JNTUH, attended a One Day Webinar on “Research Methodology” on 26th April 2021 organized by JNTUH.
- Dr.CH.Shilpa Chakra, Head & Asst. Prof. attended One Week AICTE Sponsored online QIP short term course on “Nanoelectronics Devices and Circuits” from 04th-09th January 2021 organized by Department of Electronics Engineering and School of Materials Science and Technology, IIT (BHU), Varanasi.
- Dr.CH.Shilpa Chakra, Head & Asst. Prof. attended One Day online Workshop on "National Institutional Ranking Framework (NIRF) for Higher Educational Institutions" on 06th February 2021 organized by UGC HRDC JNTUH.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. attended a Two Day Webinar on “National E- Conference on Advanced Research in Material Science” from 22nd-23rd February 2021 organized by the Department of Physics (SF) Kamaraj College, Thoothukudi, Tamilnadu.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. attended TEQIP III sponsored One Week E-FDP on “Materials for Semiconductor Devices and PV Modules” from 08th-13th March 2021 organized by CoE in Advanced Materials Research, IEEE PES-SSIT, Department of Electrical and Electronics Engineering in association with FET MJP, Rohilkhand University, Bareilly, U.P.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. attended Three Day Virtual International workshop on “Energy Storage Technologies for E-Mobility (IWESTE-2021)” from 25th-27th March 2021 organized by Department of Chemistry, SRMIST,
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. attended One Day National level Webinar on “Recent Developments&Future Advancements in Nanotechnology” on 05th May 2021 organized by Department of Science and Humanities (Physics), Nehru Institute of Technology, Coimbatore.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. participated in the One Day Global Webinar on “Recent Advances on Energy Storage and Conversion Materials” on 05th June 2021 organized by the Department of Science and Humanities, Faculty of Engineering, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. attended a Six Day FDP on “Recent Developments in Materials Science-21” from 16th-22nd June 2021 jointly organized by the Departments of Physics and Chemistry, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore.
- Dr.CH.Shilpa Chakra, Head&Asst. Prof. attended a One Day Webinar on “Application of CV” on 25th June 2021 organized by Sinsil International Pvt. Ltd.

- Dr.CH. Shilpa Chakra, Head&Asst. Prof. attended a Two Day National Virtual Conference on “Advanced Functional Composite Materials and Applications” from 28th-29th June 2021 organized by The Department of Physics, Amet (Academy of Maritime Education And Training), Deemed To Be University, Chennai.
- Mr.D.Rakesh, Asst. Prof. (C) attended a One Day International Virtual Seminar on "Physics and Chemistry of Materials" on 06th February 2021 organized by Department of Physics, Karpagam Academy of Higher Education, Coimbatore.
- Mr.D.Rakesh, Asst. Prof. (C) attended a One Day National Level Webinar on “Recent Developments & Future Advancements in Nanotechnology” on 05th May 2021 organized by Department of Science and Humanities (Physics), Nehru Institute of Technology, Coimbatore.
- Mr.D.Rakesh, Asst. Prof. (C) attended a Six Day FDP on “Recent Developments in Materials Science-21” from 16th-22nd June 2021 jointly organized by the Departments of Physics and Chemistry, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore.

Centre for Spatial Information Technology

- Mr.Ballu Harish attended a Three Day FDP on “Indian Ciatiatiion Index User Awareness online Training Programme” from 01st-03rd April 2021.

Centre for Water Recourses

- Dr.M.V.S.S.Giridhar, Professor, CWR, IST, JNTUH attended a One Day online Workshop on "Role of Technical Institutions to Adapt the National Education Policy-2020" on 30th January 2021 organized by JNTUH HRDC.

Centre for Pharmaceutical Sciences

- Dr.M.Sunitha Reddy, Assoc. Prof. attended a One Week ISTE Approved online FDP Programme on “Inspirational Teaching, Learning & Research Methods-online Educational Tools” from 22nd -27th March 2021 organized by Centre for Pharmaceutical Sciences, IST, JNTUH.

Keynote Address/ Invited Talks/Expert Lectures Delivered by the Faculty

Centre for Environment

- Dr.Ch.Sasikala Professor & Head deliverd Invited Talk at Aarambha, orientation program for research scholars, BEST University, Ananthapuramu, Title: Research publications and quality indices on 23-1-2021, 2-3.30 PM

Centre for Nano Science and Technology

- Dr.K.Venkateswara Rao, Professor & Controllor of Examinations, JNTUH, attended and delivered a talk on “Introduction to NanoTechnology and Nanomaterials for Gas Sensors” in webinar on Advanced Nanomaterials, Nanotechnology and Applications organized by Department of Electronics and Communication Engineering, Govt of Engineering College Barton Hill, Thiruvanthapuram

from 24th- 26th February 2021.

Centre for Pharmaceutical Sciences

- Dr.M.Sunitha Reddy, Assoc. Prof. delivered invited lecture on “Nanotechnology in Formulation Development” in Six Day online FDP on “Effective Teaching and Learning of Modern Drug Discovery Approaches” from 04th-09th March 2021 by NIT, Warangal, Teaching learning Centre on 8-3-2021.
- Dr.M.Sunitha Reddy, Assoc. Prof. delivered invited lecture on “Lipid Based Drug Delivery Systems” in Six Day online FDP on “Pharmacy Education & Research Present and Future Challenges” from 15th-20th March 2021 by AICTE & IQAC, JNTUA on 16-3-2021.
- Dr.M.Sunitha Reddy, Assoc. Prof. delivered a session and session chaired on “Top 10 Pharma Trends in Pharmaceutical Sciences” in 8th World Conference on Pharmaceutical Science and Drug Manufacturing from 17th-18th April 2021, Bangkok, Thailand.
- Dr.M.Sunitha Reddy, Assoc. Prof. delivered session on “Innovations, Research and IPR” organized by ISTE & NNRG-APTI online Refresher Course from 26th April to 02nd May 2021.
- Dr.M.Sunitha Reddy, Assoc. Prof. delivered a lecture on “Nanopharmacology-Novel Approaches to Drug Targeting” For Two Day webinar series on “Recent Advances in Pharmaceutical Sciences” conducted by S.R.R College of Pharmaceutical Sciences from 10th -11th June 2021.
- Dr.M.Sunitha Reddy, Assoc. Prof. delivered session on “Advanced Formulation Development-Biomimicry” organized by AICTE & Annamacharya College of Pharmcy in Six Day short term training programme from 14th-19th June 2021 on 16th June 2021.

Expert Talks/Guest Lectures Organized for UG/PG Students by the Department

Centre for Environment

- Dr.R.Ravi Varma, coordinated National level. Guest Lectures on “Risk Management & Industrial Hygiene” from 08th-09th Febuary 2021, at IST, JNTUH. Source of Funding: TEQIP III. No. of participants are 30.
- Dr.R.Ravi Varma, coordinated National level. Guest Lectures on “Water Supply Engineering - EPANET Software Demonstration” from 02nd-03rd Febuary 2021 at IST, JNTUH. Source of Funding: TEQIP III No. of participants are 30.

Centre for Nano Science and Technology

- Dr.Ashok Chinthakuntla delivered Invited Talk in online mode on "Overview of Synthesis of Nanostructures for Industrial Applications" for M.Tech 2020 batch I semester students on 01st March 2021 at CNST, IST, JNTUH.
- Dr.G.Sarala Devi, Principal Scientist, Indian Institute of Chemical Technology, Hyderabad, India delivered invited talk in online mode on "Nanoscience & Nanotechnology - A Frontier Area” for M.Tech 2020

batch I semester students on 05th March 2021 at CNST, IST, JNTUH.

- Dr. Anil Kumar Pal, Postdoctoral Fellow University of Birmingham, United Kingdom delivered invited talk in online mode on “Basics in Raman spectroscopy, its application for biosensing” for M.Tech 2020 batch I semester students on 06th March 2021 at CNST, IST, JNTUH.
- Dr. Brajendra Singh, Asst. Prof. Department of Energy Science and Technology, Centre for Advance Studies Lucknow delivered invited talk in online mode on “Simulations of Perovskite solar cells using SCAPS” for M.Tech 2020 batch I semester students on 08th March 2021 at CNST, IST, JNTUH.

• Centre for Spatial Information Technology

- Mr. J. Venkatesh delivered Expert Lecture on Mobile GPS apps on 25-03-2021.
- Mr. Ballu Harish delivered Expert Lecture on Arc Server on 26-03-2021.

Faculty Achievements

Centre for Chemical Sciences and Technology

- Dr. D. Kotaiah Naik received “Young Research Award” from International Institute of Scholars in May 2021.
- Dr. D. Kotaiah Naik received “Research Excellence Award” from International Institute of Scholars in May 2021.
- Dr. D. Kotaiah Naik received “Global Teaching Excellence Award” from International Kites Kraft production in June 2021.

Journal/ Conference Papers Reviewed by the Faculty

Centre for Biotechnology

- Dr. A. Uma, Assoc. Prof. reviewed a research paper entitled "Process Parameter Optimization and Kinetic Study of Washing Pretreatment for K and Cl Removal from Rice Husk," for an International *Journal on Biomass and Bioenergy* in June 2021.
- Dr. A. Uma, Assoc. Prof. reviewed a research paper entitled “Enhanced protein and amino acids of corn-ethanol co-product by *Mucor indicus* and *Rhizopus oryzae*” *Bioprocess and Biosystems Engineering* in March 2021.
- Dr. A. Uma, Assoc. Prof. reviewed a research paper entitled “Characterizing selected sorghum grain varieties and evaluating the suitability of their malt extracts for cultivating microbial biomass” *International Journal of Food Science* in June 2021.
- Dr. Archana Giri, Professor reviewed a research paper entitled Biogenic synthesis of chitosan-coated iron oxide (Fe₃O₄) nanocomposites using broccoli leaf extracts and studies on their antibacterial activities, *3 Biotech journal* in January 2021.
- Dr. Archana Giri, Professor reviewed a research paper entitled Green synthesis of Silver nanoparticles from

methanolic leaf extract of *Eugenia roxburghii* DC: Its Characterization and Bioactivity against microbial biofilm production, *3 Biotech journals* in March 2021.

- Dr. Archana Giri, Professor reviewed a research paper entitled Biosynthesis of Chitosan-Coated Iron Oxide (Fe₃O₄) Hybrid Nanocomposites from Leaf Extracts of *Brassica oleracea* L. and Study on Their Antibacterial Potentials" *3 Biotech journal* in April 2021.
- Dr. Archana Giri, Professor reviewed a research paper entitled Green Synthesis of Silver Nanoparticles Using *Pelargonium Quercetorum* Agnew and Their Therapeutic Properties, *3 Biotech journal* in May 2021.
- Dr. Archana Giri, Professor reviewed a research paper entitled Biogenic synthesis of novel platinum-palladium bimetallic nanoparticles from aqueous *Annona muricata* leaf extract for catalytic activity" *3 Biotech journal* in June 2021.

Centre for Chemical Sciences and Technology

- Dr. D. Kotaiah Naik, Performance and Emission Analysis of Biodiesel produced by Transesterification of Karanja oil in a Variable Compression Ratio Engine, *Sustainable Energy Technologies and Assessments*.

Centre for Environment

- Dr. Ch. Sasikala, Professor & Head Manuscript ID: 722369, *Alkalihalobacterium elongatum* gen. Nov. sp. Nov., an antibiotic producing, alkaliphilic bacterium isolated from Lonar lake and reclassification of the genus *Alkalihalobacillus* into seven novel genera". *Journal: Frontiers in Microbiology*, section Evolutionary and Genomic Microbiology.
- Dr. Ch. Sasikala, Professor & Head #AOMI-D-20-01147 for Archives of Microbiology.
- Dr. Ch. Sasikala, Professor & Head, IJSEM-D-20-00929 *Chryseobacterium caseinilyticus* sp. nov., a casein hydrolyzing bacterium isolated from rice plant, and emended description of *Chryseobacterium piscicola* for International journal of systematic and Evolutionary Microbiology.
- Dr. A. Vamshi Krishna Reddy, Asst. Prof. (C) Reviewer, International Knowledge Press “Plant Biotechnology and Molecular Biology. (IKP/PR/Cert/9113/AVA)

Journal Papers Published by the Faculty

Centre for Biotechnology

- Mr. Palety Kiran Kumari, A.V. Umakanth, T. BalaNarsaiah, Addepally Uma (2021) Exploring anthocyanins, antioxidant capacity and α -glucosidase inhibition in bran and flour extracts of selected sorghum genotypes, *Food Bioscience* in June 2021, 41,100979.
- Mr. Palety Kiran Kumari, A.V. Umakanth, T. BalaNarsaiah and Addepally Uma, (2021), Evaluation of polyphenols and antioxidant contents

- of various sorghum varieties, research journal of chemistry and environment in February 2021, 25(2).
- Mrs. Sumalatha Katta, Uma Addepally and Mallikarjuna Garladinne, "An efficient and rapid kanamycin screening assay for identifying true transgenics in cotton" Journal of Pharmacognosy and Phytochemistry in March 2021, 10(3): 357-359.
 - Mrs. Sumalatha Katta, Uma Addepally and Mallikarjuna Garladinne, "In-silico Analysis of insecticidal proteins Cry1Ac, Cry2Ab and Cry1F against Lepidopteran pests using Molecular Docking studies" International Journal of Scientific & Engineering Research Volume 12, Issue 5 in May 2021.
 - Mr. Palakeerti Srinivas Kumar, Palety Kiran Kumari, Addepally Uma, AV Umakanth, "Evaluation of Alkali and Acid Pretreatments on Brown Mid Rib Sorghum Varieties for Maximum Cellulose Yield", Journal of Scientific Research, 2021, 65(1)
 - Mr. Deepak Raj K and Archana Giri Analysis of root extracts of *Polycarpha aurea* in various organic solvents for their total polyphenolic content, total flavonoid content, and free radical scavenging activity, Plant Cell Biotechnology and Molecular Biology, 22(31-32), 138-147, 2021.
 - Mrs. Kiranmayi Rao Bhuwaneshwari Chodesetti, Suryakala Gandhi and Archana Giri, Cadmium Chloride elicitation of *Abutilon indicum* cell suspension cultures for enhanced stigmaterol production, Plant Biosystems, <https://doi.org/10.1080/11263504.2021.1891151>, 2021.
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 - Dr. Archana Giri, Methyl jasmonate (MJ) and salicylic acid (SA) driven elicitation for enhanced production of curcuminoids from *in vitro* grown plants of *Curcuma longa*. Res. J. Chem. Environ, 25 (2) 89-95, 2021.
 - Dr. Archana Giri, Production of therapeutically important coumarin-scopoletin from suspension cultures of *Abutilon indicum*, Res. J. Biotech, 16 (2): 93-98 2021.
 - Mrs. Sravanthi P and Archana Giri, Phytochemicals and Their Antimicrobial Activity: An Update on Their Mode of Action, International Journal of Clinical and Experimental Medicine Research, 5(1), 41-69, 2021.
 - Mr. Srinivas Jukuri, Suresh Bastipati, Bhagawan Dheravath, Saida Lavudi, Biochemical process evaluation of an anaerobic digester: Case studies on long sustain commercial biogas plant, Biomass Conversion and Biorefinery, 1-10, 2021.
 - Mrs. L. Saida, CDSL N. Tulasi, M Lakshmi Narasu, Evaluation of chemo-preventive efficacy of *Ficus religiosa* latex extract by flow cytometry analysis and gene expression studies performed by RT-PCR in various cell lines, Future Journal of Pharmaceutical Sciences, 7 (1), 1-21, 2021.
 - Mrs. Jhonesee Rani Telu, Naveen Kuntala, Kavitha Kankanala, Venkanna Banothu, Sarbani Pal & Jaya Shree Anireddy. Novel 1,2,3-triazolo phosphonate derivatives as potential antibacterial agents. Journal of Heterocyclic Chemistry, January 22, 2021; DOI: 10.1002/jhet.4230.
 - Mr. Naveen Kuntala, Jyoti Mareddy, Jhonesee Rani Telu, Venkanna Banothu, Sarbani Pal & Jaya Shree Anireddy. Nonsteroidal anti-inflammatory drugs (NSAIDs) based new 1,2,3-triazole derivatives: Their design, one-pot synthesis and *in vitro* evaluation. Journal of Heterocyclic Chemistry, June 19, 2021; DOI: 10.1002/jhet.4328.
- ### Centre for Chemical Sciences and Technology
- Prof. A. Jayashree, Jyoti Simultaneous and Trace Level Quantification of Five Potential Genotoxic Impurities in Ranolazine Active Pharmaceutical Ingredient Using LC-MS/MS. American Journal of Analytical Chemistry, Volume: 12, Issue: 1, Page No: 1-14 in January 2021.
 - Prof. A. Jayashree, Impact of COVID-19 Pandemic on Neurosurgical Practice in a Tertiary Care Center in India, Journal of Neurosciences in Rural Practice, Page No: 024-32, Volume: 12, Issue: 01 in January 2021.
 - Prof. A. Jayashree, A High Sensitive LC-MS/MS Method for the Simultaneous Determination of Potential Genotoxic Impurities Carboxy Phenyl Boronic Acid and Methyl Phenyl Boronic Acid in Lumacaftor of Analytical Chemistry, Volume: 12 Issue: 3, Page No: 74-86 in March 2021.
 - Prof. A. Jayashree, Ultra-Sensitive LC-MS/MS Method for the Trace Level Quantification of Six Potential Genotoxic Nitrosamine Impurities in Telmisartan Analytical Chemistry, Volume: 12 Issue: 6, Page No: 227-240 in June 2021.
 - Dr. M. Shankaraiah, Design, synthesis, and anticancer evaluation of new 1,3,4-oxadiazole thioether derivatives Russian Chemical Bulletin, International Edition, Vol. 70, No. 3, Page No: 580-584 in March 2021.
 - Dr. Naveen Kuntala, Novel 1, 2, 3-triazolo phosphonate derivatives as potential antibacterial agents, Journal of Heterocyclic Chemistry, Vol. 58, Issue No 4, Page No: 969-982 in April 2021.
 - Dr. Naveen Kuntala Nonsteroidal anti-inflammatory drugs (NSAIDs) based new 1,2,3-triazole derivatives: Their design, one-pot synthesis and *in vitro* evaluation, Journal of Heterocyclic Chemistry, in June 2021.
- ### Centre for Environment
- Mrs. Indu B, Keertana T, Ipsita S, Jagdeeshwari U, Sasikala Ch, and Ramana Ch., Uncovering the hidden bacterial ghost communities of yeast and experimental evidences demonstrates yeast as thriving hub for bacteria, *Scientific Reports*, 11(1)9394-2021.

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- Mr.Dhanesh Kumar, Gaurov Kumar, Uppada Jagadeeshwari., Chintalapati Sasikala and Chintalapati Venkata Ramana, “*Candidatus Laterigemmans baculatus*” gen. nov. sp. nov., the first representative of rod shaped planctomycetes with lateral budding in the family *Pirellulaceae*, Systematic and Applied Microbiology, 44(2). 2021
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- Mr.Ganesh Mahidhara; Deepshikha Gupta; Sasikala Ch, Venkata Ramana Chintalapati., Insights into discrepancy in power generation among glucose and malate grown *Rubrivivax benzoatilyticus* JA2 microbial fuel cells, International Journal of Hydrogen Energy, 3090-3104-46 (4), 2021.
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- Mr.R. Ravi Varma, “Low Cost Systems for Improved Water and Sanitation”. Waterfront Magazine. Nigeria Water and Sanitation Association in June-Sept 2021.
- Dr.A.Vamshi Krishna Reddy, Kavita, Dr M.Anji Reddy, Application of Remote sensing & GIS in Watershed Development using Rainfall data (International Journal of Research and Analytical Reviews Vol. 8, Issue 2, 832) in June 2021. UGC Approved Journal No. 43602.
- Mr.Sai Kumar Pavar, Divya Velpula, Madhuri Sakarya, Shilpa Chakra Chidurala, Ashok Chinthakuntla “Synthesis and characterization of novel binders free high hydrophobic silica nano particles spray” in Materials today proceedings, page No: 2214-7853 in March 2021.
- Mr.Ahmed Khalid Hussain, N. Seetharamaiah, Moorthi Pichumani, Ch. Shilpa Chakra, “Research progress in organic zinc rich primer coatings for cathodic protection of metals – A comprehensive review” in Progress in Organic Coatings, Vol 153, Page No: 106040 in April 2021.
- Mrs.Kailasa Saraswathi, M Sai Bhargava Reddy, B Geeta Rani, Kishor Kumar Sadasivuni, Bijandra Kumar, D Rakesh, Rahul Swarup Sharma, K Venkateswara Rao, “Metal Oxide-based Disposable Sensors for Health Monitoring”, in Royal society of Chemistry, Page No: 204-231 in April 2021.
- Mr.Jatinder Kumar, Dilbag Singh, Nirmal S Kalsi, Shubham Sharma, Mozammel Mia, J Singh, M Azizur Rahman, Aqib Mashood Khan, Kalagadda Venkateswara Rao, “Investigation on the mechanical, tribological, morphological and machinability behavior of stir-casted Al/SiC/Mo reinforced MMCs” in Journal of Materials Research and Technology, Vol. 12, Page No: 930-946 in May 2021.
- Mrs.D.Ramya, CH.Shilpa Chakra, T. Rakesh, S. Madhuri, Ch. Ashok, “Flexible Transparent Conductive Cellulose Ag Nanopaper” in Journal of Emerging Technologies and Innovative Research, in Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 5, Page No: 287-295 in May 2021.
- Mrs.Velpula Divya, Sai Kumar Pavar, Chidurala Shilpa Chakra, Thida Rakesh Kumar, Konda Shireesha, Sakaray Madhuri “Applications of Carbon-Based Nanomaterials in Health and Environment: Biosensors, Medicine and Water Treatment” in Springer, page No: 261-284 in May 2021.
- Mrs.Sakaray Madhuri, Chidurala Shilpa Chakra, Thida Rakesh Kumar, Konda Shireesha, Sai Kumar Pavar, Velpula Divya, “Carbon: A Phantom for Nanocomposite-Driven Applications”, in Springer, Page No: 77-95 in May 2021.
- Mr.T. Rakesh Kumar, C. H. Shilpa Chakra, S. Madhuri, E. Sai Ram, K. Ravi, “Microwave-irradiated novel mesoporous nickel oxide carbon nanocomposite electrodes for supercapacitor application” in J Mater Sci: Mater Electron in June 2021.

Centre for Nano Science and Technology

- Mrs.Divya Velpula, Shireesha Konda, Shireesha Vasukula, Shilpa Chakra Chidurala, “Microwave radiated comparative growths of vanadium pentoxide nanostructures by green and chemical routes for energy storage applications”, in Materials today proceedings, Page No: 2214-7853 in March 2021.

Centre for Spatial Information Technology

- Shri J.Venkatesh, J.Ramesh, Evapotranspiration Estimation using Geo-Spatial Techniques IJSRD, Volume :8, Issue number : 12, Page No: 8, on 05th March 2021.
- Shri J.Venkatesh, P.Manasa, Spatial Analysis of Change Detection and Total Carbon Stock Present In Coringa Wildlife Sanctuary of Andhra Pradesh

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- Ballu Harish, Dr.R.S.Dwivedhi, Setting of progress bar in arc map environment using arc py module, Journal IJRPR, Volume: 2, Issue number: 1 Page range of article : 7 the article. 01st January 2021.

Centre for Water Recourses

- Mr.Narasaiah, V, Venkateswara Rao, B. “Estimation of aquifer parameters of a hard rock aquifer in the Subledu Basin of Khammam district in India. J. Ind. Geophys. Union, Vol.25, Issue no: 2, Page No: 1-10 in 2021.
- Mr.Venkateswara Rao, B, Siva Prasad, Y, “Evaluation of aquifer characteristics using well logging tools and pumping tests in a typical khondalitic aquifer in the Northern parts of Eastern Ghats of India” in Environmental Earth Sciences 80:38, <https://doi.org/10.1007/s12665-020-09286-8> in 2021.
- Mr.VenkatSheshu, R, Udaya Bhasker T.V.S, Pattabhirama rao, E, Ravi chandran M, Venkateswara rao B, “An improved method for quality control of in situ data from agro floats using α convex hulls” in Methodsx 8 101337 in 2021.
- Mrs.Deepthi P, Sarala.C, Mukkanti K, Sharath Kumar P, “Removal of Metals using Cucurbitapepo (Pumpkin) as a Bio-coagulant”, Research Journal of Chemistry and Environment, Vol: 25, Issue No: 3, Page No: 17-20 in 2021.

Centre for Pharmaceutical Sciences

- Mrs.Sravanthi Anampally, Sunitha Reddy M, Jaswanth A, Design and evaluation of Zero order drug releasing Rivastigmine Transdermal system, International Journal of Pharmaceutical Sciences and Research, July 2021, volume 12(7), page no- 4011-4024, ISSN- 0975-8232 IP 1.10 buccal drug delivery journal of drug Delivery and therapeutics in March 2021.
- Mrs.T.N.Purnima, M.Sunitha Reddy, Formulation and evaluation of topical cubosomal emulgel of an Antifungal drug: Itraconazole, Journal of Advanced Scientific Research volume: 12(2), Page No: 263-275, IP 0.8 in May 2021.
- Dr.S.Shobha Rani, Bio Adhesive Polymers permeation enhances and type of dosage forms for buccal drug delivery journal of drug Delivery and therapeutics in March 2021.

Conference Papers Presented by Faculty Members

Centre for Environment

- Mr.R. Ravi Varma, “Computational Fluid Dynamics (CFD) modelling and design for computing the internal hydrodynamic behaviour of final clarifier” Presented at International Virtual Conference on Innovative Trends in Hydrological and Environmental Systems (ITHES-2021), NIT Warangal, India in April 2021.
- Mr.Abdul Moid Mohammed, Vijaya Lakshmi

Thatiparti, Pyala Kesava Rao. “Mapping of Flood Risk Zones: A remote sensing and GIS-based Analysis”, Pure Earth Environment Conference in 2021.

Centre for Nano Science and Technology

- Dr.CH.Shilpa Chakra, Head &Asst. Prof. presented a paper entitled “Liquid/Liquid interfacial @ Electrospinning deposition approaches for the synthesis of Metal-Polymer nanocomposites” at the National E- Conference on Advanced Research in Material Science Organized by the Department of Physics (SF) Kamaraj College, Thoothukudi, Tamilnadu, from 22nd-23rd February 2021.

New Appointments and Promotions

- Dr.K.Venkateswara Rao, Professor of NanoTechnology was appointed as the Controller of Examinations, JNTUH on 18th June 2021.
- Dr.M.Ajitha, Appointed as Deputy Director, Audit Cell, JNTUH.
- Dr.S.Shobha Rani, Appointed as BOS Chairperson, CPS, IST, JNTUH.

Students’ Achievements

- Mrs.K.Shireesha was awarded with “Young Researcher Award at International E-Conference on Advanced Material Science (ICAMS-2021)” organized by PG & Research Department of Physics, Vivekanandha College of Arts and Science for Women (Autonomous), Tiruchengode, Tamil Nadu from 03rd-04th March 2021.

Research Papers Published

- Mr.Sai Kumar Pavar, Divya Velpula, Madhuri Sakarya, Shilpa Chakra Chidurala, Ashok Chinthakuntla 2021, “Synthesis and characterization of novel binders free high hydrophobic silica nano particles spray” in Materials today proceedings, Page No: 2214-7853 in March 2021.
- Mrs.Divya Velpula, Shireesha Konda, Shireesha Vasukula, Shilpa Chakra Chidurala, 2021, “Microwave radiated comparative growths of vanadium pentoxide nanostructures by green and chemical routes for energy storage applications”, in Materials today proceedings, pp.2214-7853 in March 2021.
- Mrs.Kailasa Saraswathi, M Sai Bhargava Reddy, B Geeta Rani, Kishor Kumar Sadasivuni, Bijandra Kumar, D Rakesh, Rahul Swarup Sharma, K Venkateswara Rao, “ Metal Oxide-based Disposable Sensors for Health Monitoring” , in Royal society of chemistry, Page No: 204-231 in April 2021.
- Mrs.D.Ramya, CH.Shilpa Chakra, T. Rakesh, S. Madhuri, Ch. Ashok, 2021, “Flexible Transparent Conductive Cellulose Ag Nanopaper” in Journal of Emerging Technologies and Innovative Research, in Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 5, Page No: 287-295 in May 2021.
- Mrs.Velpula Divya, Sai Kumar Pavar, Chidurala Shilpa Chakra, Thida Rakesh Kumar, Konda

Shireesha, Sakaray Madhuri “Applications of Carbon-Based Nanomaterials in Health and Environment: Biosensors, Medicine and Water Treatment” in Springer, Page No: 261-284 in May 2021.

- Mrs.Sakaray Madhuri, Chidurala Shilpa Chakra, Thida Rakesh Kumar, Konda Shireesha, Sai Kumar Pavar, Velpula Divya, “Carbon: A Phantom for Nanocomposite-Driven Applications”, in Springer, Page No: 77-95 in May 2021.
- Mr.T. Rakesh Kumar , C. H. Shilpa Chakra, S. Madhuri , E. Sai Ram , K. Ravi, 2021, “Microwave-irradiated novel mesoporous nickel oxide carbon nanocomposite electrodes for supercapacitor application” in J Mater Sci: Mater Electron in June 2021.

Research Papers Presented

- Mr.T. Rakesh Kumar, “A Facile Green-Polyol Approach of Silver Nanoparticles for Supercapacitor Application” at National Virtual Conference On Advanced Functional Composite Materials And Applications” organized by the Department of Physics, AMET (Academy of Maritime Education and Training), Deemed to be University, Chennai India from 28th-29th June 2021.
- Mrs.S.Madhuri, “Upshot of Boron nitride intercalated with polyaniline and Metal oxide for supercapacitor applications” in Two day national virtual conference on advanced functional composite materials and applications organized by the Department of Physics, AMET (Academy of Maritime Education and Training), Deemed to be University, Chennai India from 28th-29th June 2021.

Start-up Activities

- MSME- Dr.V. Himabindu, Professor, CEN Treatment of Wastewater using Movable Electrochemical Reactor, during the year 2021-2022, Grant: 19.80 lakhs.

JNTUH Placements

No. of UG/PG Students Placed

SL. No.	Branch/ Specialization	No. of Students Placed	Name of Organizations offered Placements	Highest Salary Offered/ Organization
1.	M.Tech Bio technology	01	Genesys Biologics Pvt Ltd.	1.9 Lakh
2.	M.Sc Bio technology	03	GVK Biosciences	2.4 Lakh
3.	M.Sc Micro biology	01	Genesys Biologics Pvt Ltd.	1.9 Lakh

Centre for Spatial Information Technology

- Mrs.Durga Bhavani was offered as Software Engineer with INR. 5.5 LPA CTC.
- Mr.Trivikram Vakiti was offered as Apprentice with a Stipend of INR. 20,000/- per month.

Alumni Activities

Expert Lectures/Guest Lectures Delivered by the Distinguished Alumni Member (s)

Centre for Nano Science and Technology

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

School of Information Technology (SIT)

Details of Webinars/ Conferences/Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Organized by the Faculty

- Dr. K. Suresh Babu, Assoc. Prof. of CSE, S.I.T. and Smt. V. Uma Rani, Associat Professor of CSE, S.I.T. as Coordinators conducted Two Day National Workshop on “Cyber Security” on 28th-29th January 2021 in School of Information Technology, JNTUH from TEQIP-III funds. 472 members participated and Dr. A. Govardhan, Rector, JNTUH inaugurated the programme.

Details of Webinars/Conferences/ Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty

- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Fundamentals of Data Visualization Secrets of Visual Analytics” on 02nd March 2021 organized by Tableau.
- Dr.K.Santhi Sree, Professor attended a Two Day National Seminar on “Frontier Technologies for 21st Centuries Process Industries” from 06th-07th March 2021 organized by IEI Durgapur Local Center.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “What Makes Tableau Different” on 09th March 2021 organized by Tableau.
- Dr.K.Santhi Sree, Professor attended a Two Day National Seminar on “Neural Network Implementations using Python” from 20th-21st March 2021 organized by NITK.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “NVIDIA Academic Partnership for Enabling AI/DL LAB ” on 06th January 2021 organized by ISR Hyderabad.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Building Stronger Health Systems for Delivering Universal Health Coverage: Lessons from a Pandemic” on 16th January 2021 organized by Orient Black Swan.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Data Analytics in R” on 06th March 2021 organized by STATCRAFT.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Data Analytics in R” on 12th Febuary 2021 organized by STATCRAFT.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Use of Geospatial Technology

in Landslide Investigation” on 09th March 2021 organized by IEI.

- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Imulation of Machine Learning using Open-Source Tools” on 13th March 2021 organized by IEI.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Energy Conservation: Opportunities & Challenges in Oil and Gas Industries” on 18th March 2021 organized by IEI.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Technical Webinar on ‘Engineering for Sustainable Growth’” on 06th April 2021 organized by IEI.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Knowledge Sharing” on 04th April 2021 organized by IEI.
- Dr.K.Santhi Sree, Professor attended a One Day National Seminar on “Design and Development of Homogeneous/Heterogeneous Catalysts for Sustainable Chemical Industry” on 17th April 2021 organized by IEI.
- Dr.K .Santhi Sree, Professor attended a One Day Webinar on “AICTE Quality Initiatives” on 24th June 2021.
- Dr.K.Santhi Sree, Professor attended a One Day Webinar on “Oxygen Supply Chain for Uninterrupted Life Support: Role of Maritime Industry” on 23rd June 2021 Covid Times.
- Mr.G.Praveen Babu, Assoc. Prof. of CSE, SIT attended Two Week online FDP on "ICT Tools for Teaching, Learning Process and Institute" jointly organized by Electronics and ICT Academies (NIT, Patna, MNIT Jaipur, PDPM IITDM Jabalpur, IIT Guwahati, IIT Kanpur and IIT Roorkee) from 15th-26th March 2021.

Students' Achievements

Research Papers Published

- Mrs.G. Shireesha, Dr.K.Santhi Sree published paper named “Ethereum based electronic voting system” in *Journal of Emerging technologies and Innovative Research* (ISSN: 2349-5162 Impact factor: 7.97) in June 2021.
- Mrs.Thappeta Kavya, Dr K.Santhi Sree published paper named “Smart Healthprediction Using Data Mining” in *Journal of Emerging technologies and Innovative Research* (ISSN: 2349-5162 Impact factor: 7.97) in June 2021.
- Mrs.V. Lavanya, Dr .K.Santhi Sree published paper named “Factors Influencing Students Dropout: A Machine Learning Based Study” in *International Journal of Creative Research Thoughts - IJCRT* (ISSN: 2320-2882 Impact factor: 7.97) in June 2021.
- Mrs.Hassane Djamou Hamid M tech 2019-2021 published paper named “Factors Influencing Students Dropout: A Machine Learning Based Study” in *International Journal of Creative Research Thoughts - IJCRT* (ISSN: 2320-2882 Impact factor: 7.97) in

June 2021.

NSS/NCC Activities

- Clean and Green in College Campus from 30th January to 06th February 2021 was organized by SIT. Dr.K.Suresh Babu was in charge for this programme and approximately 60 students were participated.

SIT, JNTUH Placement details

SL. No.	Branch	Number of PG Students Placed
1.	M.Tech (CS)	03
2.	M.Tech (SE)	00
3.	M.Tech (CNIS)	00
4.	M.Tech (DS)	04
5.	MCA	02
6.	MSIT	05

SL. No.	Name of Organizations offered Placements	No. of Students Placed	Salary Offered
1.	Medisys	03	4 LPA
2.	Jocata	11	7.5 LPA

➤ **Highest Salary Offered: 7.5 Lpa**

School of Management Studies

Details of Webinars/ Conferences/ Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty

- Dr.Sindhu, Professor, Director I/C & Chairperson BoS attended a One Day National Webinar on “Artificial Intelligence Master Class” on 20th June 2021 organized by Ureka Educaion Group, OXFORD UK.
- Dr.Sindhu, Professor, Director I/C & Chairperson BoS attended a Three Day online training programme on “Risk Management and Business Continuity” from 04th-06th May 2021 organized by National Institute of Disaster Management, Ministry of Home affairs, Govt. of India in collaboration with FICCI, New Delhi.
- Dr.Anjali Sharma, Asst. Prof. (C) attended a One Week Workshop on “Data Analysis and SPSS” from 25th-31st May 2021 organized by Teaching Learning Centre Ramanujan College, University of Delhi.
- Dr.Anjali Sharma, Asst. Prof. (C) attended a Two Week Workshop on “Research Methodology and Data Analysis” from 17th-31st May 2021 organized by Teaching Learning Centre Ramanujan College, University of Delhi.
- Dr.M.Bhavani, Asst. Prof. (C) attended a One Week FDP on "COVID -19- Business Dynamics in New Normal" from 26th April to 01st May 2021 organized by Department of MBA (Do MBA), Vardhaman College of Engineering (Autonomous), Hyderabad.

Keynote Address / Invited Talks/Expert Lectures Delivered by the Faculty

- Dr.Sindhu, Professor, Director I/C & Chairperson BoS was the Chief Guest for the Inaugural Session of National Webinar on “Impact of Covid-19 on

Students Mindsets” on 08th-10th March 2021 organized by Global Education Centre in Collaboration with Indian Society for Training and Development (ISTD) Hyderabad.

- Dr.Sindhu, Professor, Director I/C & Chairperson BoS was the expert Lecture in the On Course on “Management Skills for Police Department from on Effective Leadership, Team building and Group Dynamics” on 09th March 2021 organized by RBVRR Telangana State Police Academy, Hyderabad.

Expert Talks/Guest Lectures Organized for UG/PG Students by the Department

- Webinar on EBSCO on Mobile by Mr. M.S. Srinivasa, Training Manager, Bangalore on 21st May 2021.
- Design Your Personality A 2 Z by Rajesh Pershad, Motivational Speaker, Hyderabad on 12th May 2021 online mode.
- Conducted Mock Interviews for MBA Semester-IV students by SMS, JNTUH on 27 to 29 March 2021 by Mr.Satya Prakash, Mr.M.Naveen and Mr.Abhishek Asthana.
- AICTE- Internshala Career Talk to MBA Semester-I Students By Dr.Sindhu Director, SMS, JNTUH on 27th March 2021
- Goal Setting for Budding Managers by Dr.K.Nageswar Rao on 30th January 2021 Human Resource Manager, Hindustan Sanitary Ltd., Hyderabad.
- ERP Finance training by Mr. Harish Kappala, Senior Manager, Group Finance Excellence WS Audiology on 6th February 2021 (Alumni Lecture Series)
- Exploring EBSCO by Mr. M.S. Srinivasa, Training Manager, Bangalore on 16th January 2021

Faculty Achievements

Journal Papers Published by the Faculty

- A paper of the effect of job characteristics on Employee satisfaction and internal work motivation: Evidence from selected Ethiopian Manufacturing firms by Tagenu Yae Boset and Dr. Sindhu in the International Journal of Business Management & Research (IJBMR) ISSN (online) 2249- 8036, ISSN(print) : 2249-6920, Impact Factor (JCC) (2020) : 89193. Index Copernicus Value (ICV)-2016 63.19. Naas Rating 3.93: vol-11, issue-35, Edition in June 2021.
- A paper on The mediation effects of critical psychological state between job characteristics and employee general Satisfaction : The study on selected Ethiopian Manufacturing companies, in International Research Journal of management Science and technology co-authored by Tagenu Yae Boset in vol-12, issue- 5, May 2021 UGC case list Impact Factor 7.2013.
- A paper on Effect of Risk Management on Bank’s Financial Performance: Evidences of Ethiopian Commercial Banks co-authored with Lemaa Belay Zeleke in International Journal of Management (IJM)

Volume 12, Issue 3 March 2021, pp. 148–154; ISSN Print: 0976-6502 and ISSN Online: 0976-6510; Journal Impact Factor (2020): 10.1471 Calculated by GISI.(Scopus indexed).

- A paper on Risk Assessment and Handling Tools in Ethiopian Commercial Banks : Comparative Study in Banking Sectors co-authored with Lemaa Belay Zeleke in International Journal of Scientific Journal Volume 10 Issue 2 February 2021, ISSN Print: 2277-8179 Journal Impact Factor (2020): 5.711

Journal Papers Presented by the Faculty

- A paper on Risk Management Practices: An empirical study on Ethiopian Commercial Banks co-authored with Lemaa Belay Zeleke in International Conference on Finance, Business and Banking (ICFBB-21) Organised by Institute of Scientific and Engineering Research held online 06th June 2021 at Hyderabad, India.
- A paper on Impact of Covid 19 Pandemic vs. 2008 Subprime crisis on wealth Management in India co-authored with Sushma Sai Anthati on 23rd March 2021.
- A paper on Application of Block chain technology for Banking and Financial Services co-authored GVS Nalini in Symbiosis International Conference in Rigor, Relevance and Resilience in Business and Management Research (SICBM-2021) from 12th-14th February 2021 in Virtual mode.
- A paper on Productive uses of Electricity in rural development in India: Issues and challenges co-authored Shiva Shankar Maturi in Symbiosis International Conference in Rigor, Relevance and Resilience in Business and Management Research (SICBM-2021) from 12th-14th February 2021 in Virtual mode.

Any Other Achievements by the Staff

- Dr. Sindhu received Hyderabad Women Achiever Award in the Education on International Women’s Day by Siddham NGO on 8th March 2021 at Bhaskar Auditorium, Birla Science Museum, Hyderabad.

NSS/NCC Activities

- Participated in Blood Donation camp on 18th March 2021, Conducted by NSS, JNTUCEH.

SMS, JNTUH Placements

SL. No.	Name of the Company	No. of Students Selected	Annual Pay
1.	DELOITTE	1	6.75 LPA
2.	HDFC	3	3 LPA
3.	TCS	3	6 LPA
4.	IDFC	5	3.75 LPA (Incentives Other benefits)
5.	MYCAPTAN	1	3.5 LPA

Alumni Activities

- Created a Whatsapp group and registration of Alumni through SMS website.
- SMS, JNTUH has taken initiative to invite Alumni to share their experience and prepare MBA students for corporate jobs. Give information about internships, Projects and placements.
- Alumni Lecture Series initiated.

Any other Achievements

Personality Development & Soft skills training are organized by School of Management Studies on G meet platform.

SL. No.	Title	Date
1	Mock Interviews and feedback Session held on 27.03.21 & 01.04.2021 conducted by Mr.Satya Prakash,Mr.M.Naveen and Mr.Abhishek Asthana.	01.04.2021
2	Soft Skills – Hard Skills – Life Skills -II	06.03.2021
3	General Orientation on What Skills do we need for personal and professional growth?	23.01.2021

Directorate of Academic & Planning

- A meeting was conducted with the BOS Chairpersons of Engineering stream on 25th January 2021 in the Conference Hall of the Directorate of Academic & Planning, JNTUH, to finalise the MOOCs courses under SWAYAM platform for R16 B.Tech. IV year II semesters and R18 B.Tech. III year II semesters for the academic year 2020-21 to include as Professional Elective subjects.

Board of Studies Meetings

- Board of Studies meeting was conducted on 18th Feburary 2021 at 10:30 a.m. in the Conference Hall of the Directorate of Academic & Planning, JNTUH, Hyderabad with the ECE BOS Members to frame the II, III and IV Years Course Structure and Syllabus for the B.Tech. (Electronics & Computer Engineering) course.

UGC-HRDC

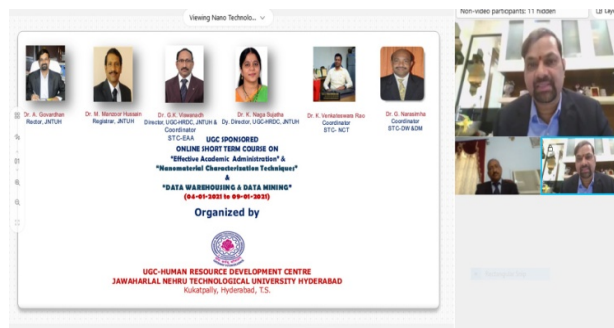
- The UGC-Human Resource Development Centre, JNTUH, Hyderabad is organising UGC sanctioned (diversified) programmes, AICTE sponsored programmes, TEQIP sponsored programmes, Outreach Programmes and other Self-financing programmes, on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis, to update the knowledge and skills in their respective fields.
- During the period 01st January 2021 to 30th June 2021, the HRDC, JNTUH has organized 13 online programmes i.e., Two Faculty Induction Programmes (30 working day duration), Three Refresher Courses (12 day duration), Six Short Term Courses (6 day duration), Two Workshops (1 day duration) and 834

faculty members have participated in online courses from 1st January 2021 to 30th June 2021, from different states of the Country.

- During the Academic Year 2020-21 (April 2020 to March 2021), a total number of 39 programmes have been conducted by HRDC, JNTUH and trained 4486 faculty members from different states of the Country.

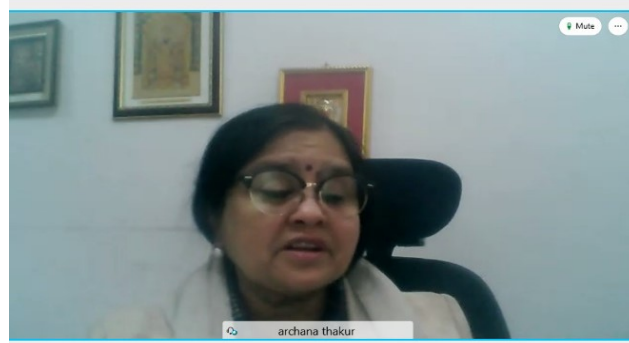
Details of Webinars/ Conferences/Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Organized by the Faculty

- Dr.K.Venakteswara Rao, Professor, Centre for Nanoscience & Technology, IST, JNTUH, Hyderabad organized a Six Day Short Term Course on “Nanomaterial Characterization Techniques” with UGC funds, Chief Guests were Dr.A. Govardhan, Rector, JNTUH & Dr.M.Manzoor Hussain, Registrar, JNTUH from 04th-09th January 2021 at UGC HRDC with 39 participants.
- Dr.G.Narasimha, Professor, Department of CSE, JNTUH CEH, Hyderabad organized a Six Day Short Term Course on “Data Warehousing & Data Mining” with UGC funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH, & Dr.M.Manzoor Hussain, Registrar, JNTUH from 04th-09th January 2021 at UGC HRDC with 51 participants.



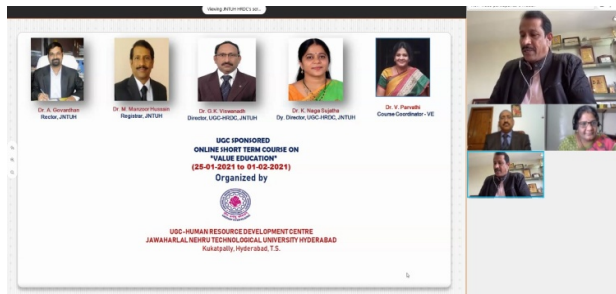
Address by Dr. A. Govardhan, Rector, JNTUH in the Inaugural Function of three Short Term Courses on 04th January 2021.

- Dr.G.K.Viswanadh, Professor of Civil Engineering & Director, UGC HRDC, JNTUH organized a Five Day Short Term Course on “Effective Academic Administration” with UGC Funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH & Dr.M.Manzoor Hussain, Registrar, JNTUH, from 04th-08th January 2021 at UGC HRDC with 30 participants.



Address by Dr. Archana Thakur, Joint Secretary, UGC New Delhi in the Short Term Course on “Effective Academic Administration”

- Dr.V.Parvathi, Professor & Head, Dept. of H&SS, JNTUH CEH organized a Six Day Short Term Course on “Value Education” with UGC Funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH & Dr.M.Manzoor Hussain, Registrar, JNTUH from 25th January to 01st Feburay 2021 at UGC HRDC with 55 participants.



Address by Dr. M. Manzoor Hussain, Registrar, JNTUH, in the Inaugural function of Short Term Course on “Value Education”

- Dr.A.Govardhan, Rector, JNTUH, Hyderabad & Dr.M.Manzoor Hussain, Registrar, JNTUH, Hyderabad & Dr.G.K.Viswanadh, Director, UGC HRDC, JNTUH, Hyderabad One Day Workshop on “Role of Technical Institutions to Adapt the National Education Policy-2020” with UGC funds, Chief Guest B.Venkat, Director, Faculty Development Cell (FDC), AICTE, New Delhi on 30th January 2021 at UGC HRDC with 161 participants.



Address by Col. B. Venkat, Director, FDC, AICTE in the Workshop on “Role of Technical Institutions to adapt the National Education Policy-2020”

- Dr.A.Govardhan, Rector, JNTUH, Hyderabad & Dr.M.Manzoor Hussain, Registrar, JNTUH, Hyderabad & Dr.G.K.Viswanadh, Director, UGC HRDC, JNTUH, Hyderabad One Day Workshop on “National Institutional Ranking Framework (NIRF) for Higher Educational Institutions” with UGC Funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH & Dr.M.Manzoor Hussain, Registrar, JNTUH on 06th Feburary 2021 at UGC HRDC with 213 participants.



Address by Dr. GK Viswanadh, Director, UGC-HRDC, JNTUH in the Workshop on “National Institutional Ranking Framework (NIRF) for Higher Educational Institutions”

- Dr.G.K.Viswanadh, Professor of Civil Engineering & Director, UGC HRDC, JNTUH organized a 30 working day “Faculty Inducation programme-IV”, with UGC Funds, Chief Guest is Prof.V.Venkata Ramana,Vice-Chairman, TSCHE, Hyderabad from 10th Feburary to 19th March 2021at UGC HRDC with 40 participants.



Address by the Chief Guest Prof. V. Venkata Ramana, Vice-Chairman, TSCHE, Hyderabad in the Inaugural function of “Faculty Induction Programme-4”

- Dr.A.Jayalaxmi, Professor, Department of EEE, JNTUH CEH, Hyderabad organized a Tweleve Day Refresher Course on “Power Systems” with UGC Funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH&Dr.M.Manzoor Hussain, Registrar, JNTUH from 01st-16th March 2021 at UGC HRDC with 21 participants.
- Dr. K. Anitha Sheela, Professor & Head, Department of ECE, JNTUH CEH, Hyderabad organized a Tweleve Day Refresher Course on “Systems and Signal Processing” with UGC Funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH&Dr.M.Manzoor Hussain, Registrar, JNTUH from 01st-16th March 2021 at UGC HRDC with 28 participants.



Address by Dr. A. Govardhan, Rector, JNTUH in the Inaugural Function of three Refresher Courses on 01st March 2021.

- Dr.M.Ajitha, Professor, CPS, IST, JNTUH, Hyderabad organized a Tweleve Day Refresher Course on “Novel Therapeutic approaches in Drug Discovery & Development against Pandemic Diseases” with UGC funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH, & Dr.M.Manzoor Hussain, Registrar, JNTUH from 01st-16th March 2021 at UGC HRDC with 40 participants.
- Dr.K.P.Supreethi, Professor, Department of CSE, JNTUH CEH, Hyderabad organized a Six Day Short term Course on “Machine Learning” with UGC funds, Chief Guests were Dr.A.Govardhan, Rector, JNTUH, & Dr.M.Manzoor Hussain, Registrar, JNTUH from 15th-20th March 2021 at UGC HRDC with 27 participants.

- Dr.G.K.Viswanadh, Professor of Civil Engineering & Director, UGC HRDC, JNTUH organized a 30 working day “Faculty Induction Programme for the Teaching Assistants (Contract) of JNTUH Constituent Colleges” with JNTUH Funds, Chief Guest Prof. Katta Narasimha Reddy, Hon’ble Vice-Chancellor, JNTUH, Hyderabad from 28th June to 04th August 2021 at UGC HRDC with 44 participants.
- Dr.S.Suresh Kumar, Asst. Prof. & Head, Department of IT, JNTUH CEJ, Jagtial, organized a Six Day Short Term Course on “Machine Learning” with JNTUH Funds, Chief Guest Prof. Katta Narasimha Reddy, Hon’ble Vice-Chancellor, JNTUH, Hyderabad from 28th June to 03rd July 2021 at UGC HRDC with 85 participants.

Keynote Address/ Invited Talks/Expert Lectures Delivered by the Faculty

- Dr.G.K.Viswanadh, Professor of Civil Engineering and Director, UGC HRDC, JNTUH, Hyderabad, has delivered a talk on “Introduction to Faculty Induction Programme” and “Evolution of Higher Education Sector in India” on 10-02-2021 in the UGC sponsored Online “Faculty Induction Programme-IV” from 10th February to 19th March 2021 organized by UGC HRDC, JNTUH.
- Dr.G.K.Viswanadh, Professor of Civil Engineering and Director, UGC HRDC, JNTUH, Hyderabad, has delivered a talk on “Latest Developments in Technology and their use in Education” on 18-02-2021 in the UGC sponsored Online “Faculty Induction Programme-IV” from 10th February to 19th March 2021 organized by UGC HRDC, JNTUH.
- Dr.G.K.Viswanadh, Professor of Civil Engineering and Director, UGC HRDC, JNTUH, Hyderabad, has delivered a talk on “Introduction to Faculty Induction Programme” and “Evolution of Higher Education Sector in India” on 28-06-2021 in the Online “Faculty Induction Programme (for Assistant Professors-Contract of the Constituent Colleges of JNTUH)” scheduled from 28th June to 04th August 2021, organized by UGC HRDC, JNTUH.
- Dr.K.Naga Sujatha, Professor of EEE and Dy. Director, UGC HRDC, JNTUH, Hyderabad, has delivered a talk on “Fundamentals of Strategic and Transformational Leadership, Developing Organization Aspiration and Strategy for Growth” and “Different kinds of Leadership – Result Oriented Leadership, Creative Leadership, Leading for Creative Results” on 03-03-2021 in the UGC sponsored Online “Faculty Induction Programme-IV” from 10th February to 19th March 2021 organized by UGC HRDC, JNTUH.

Faculty Achievements

Journal Papers Published by the Faculty

- Mr.Harikrishna Muda, K. Naga Sujatha, T. Mahesh, C. Bhargava “ Stability Assessment of Droop Controlled Hybrid Islanded Multiple Subgrids during Power Sharing” PalArch’s Journal of Archaeology

of Egypt / Egyptology, 17(9), 7069 - 7081.

<https://archives.palarch.nl/index.php/jae/article/view/5333>

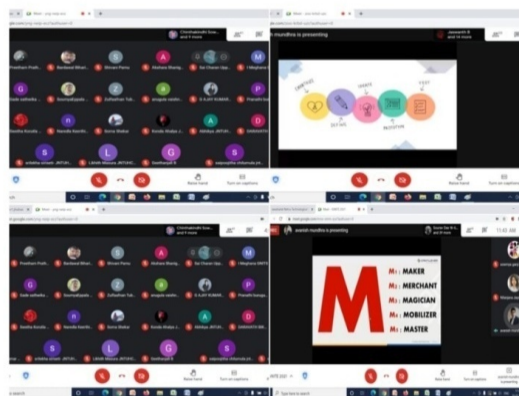
Details of Patents/Copyrights Filed/Awarded

- Mrs.Naga Sujatha K, Harikrishna Muda, Bhargava C, Mahesh Thati. “Operation of droop-controlled hybrid islanded multiple subgrids”, (Indian patent filed on Dec. 2020, Application Number: 202041056154), Published.
<https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/Eregister> Application number is 202041056154.
- Mrs.Vaisakh K, Sujatha K, Naga Rao B.K. Karunakar, Satish R, Rao A SuryaPrakasa. “A Power Glow Control Method for AC-DC Hybrid power Grid” Filed on 29-06-2021, Application Number: 2021103722.

Directorate of JNTUH Innovation Hub

- IGNITE Workshop 2021 conducted for B. Tech I. Year Students to seed Innovation Mindset across different Constituent and Affiliated Colleges of JNTUH.
- Each workshop of 2 days duration covered the concepts on design thinking, creativity and innovation. More than 1545 students from 38 colleges have attended the workshop online and have been motivated to start their innovation journey.

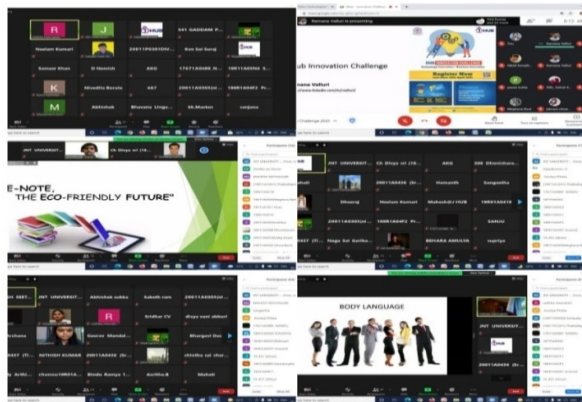
Sl. No.	IGNITE Program Date	No. of Participants Registered
1	19 th -20 th February 2021	195
2	26 th -27 th February 2021	203
3	05 th -06 th March 2021	285
4	12 th -13 th March 2021	343
5	19 th -20 th March 2021	316
6	26 th -27 th March 2021	203



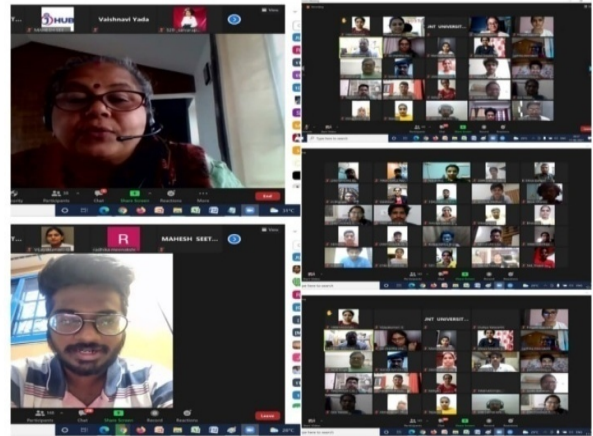
JHUB Innovation Challenge 2021

- JHUB organized innovation challenge 2021 on themes of Environment and Energy, Edu Tech, Health Care

Technology, Sustainable living and inclusive growth from 07th April to 09th June 2021. A total of 382 teams from 35 colleges have been registered for the innovation challenge.



A unique feature of the program is that each day a early stage startup founder referred as E-Cub shared their story to the participants. 376 teams from 32 colleges have attended the workshop online.



Winners of JHUB Innovation Challenge 2021

TOP 5 TEAMS

Sl. No.	Name of the Idea	Name of the Team Lead	College Name
1	Surface Disinfection System	Myson Sunny	Geethanjali College of Engineering and Technology
2	Solar Controll ed Integrated Pest Managem ent System	Ch.Divya Sri	Priyadarshini Institute of Science and Technology for Women
3	Quality Monitor ing of Midday Meal	B. V. Lakshmi	Malla Reddy Engineering College For Women
4	Safety SHOE	Akanksha Kacham	BVRIT Hyderabad College of Engineering for Women
5	Vaari-Solution to save water	G. Tharuni	Sreenidhi Institute of Science and Technology

Consolation Prize

Sl. No.	Name of the Idea	Name of the Team Lead	College Name
1	DPK(Dhanyam Panchae Kiosk)	Sai Alekhya Chitturi	Vidya Jyothi Institute of Technology

- A bootcamp on entrepreneurship for B. Tech II year students has been organized from 17th-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.

EXCITE 2021-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. The totals of 71 teams of 22 colleges are shortlisted for participation into 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 participant's team will receive mentoring from industry experts and startup eco system and successful entrepreneurs.

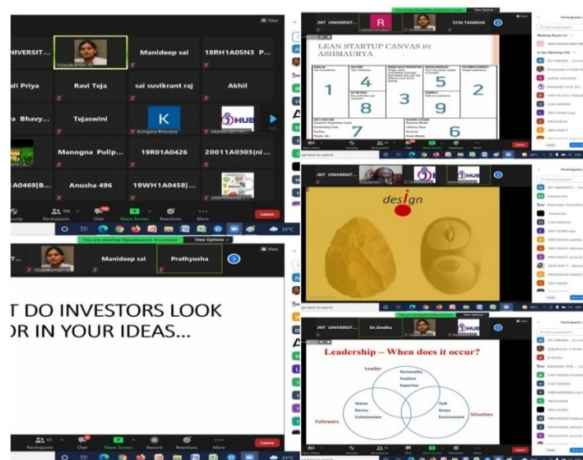
TEAMS SELECTED FOR EXCITE WORKSHOP 2021

Sl. No.	Name of the Idea	Name of the Team Lead	Name of the College
1	AI Joystick	Ade Aravind Nayak	JNTUH College of Engineering Manthani
2	Apatbandhava-The Ashleakage Detector	Ananthula Siddhartha	Sreenidhi Institute of Science and Technology
3	Aqua Lautus	Bhuvan Pratap Agarwal	Sreenidhi Institute of Science and Technology
4	Borewell Rescue Robot	H.Manashwini Joshi	CMR Institute of Technology
5	BySellers	Hemanth	Vijaya Engg. College
6	Charge it	Ravi Teja D	Others
7	Cultbox	Bojja srikar	VNR Vignana Jyothi Institute of Engg.& Technology
8	Disinfecto	Kvn Sai Suraj	Sreenidhi Institute of Science and Technology

9	DPK- Dhanyam Panchae Kiosk	Sai Alekhya Chitturi	Vidya Jyothi Institute of Technology
10	Drone farmer	Vikram Boorla	St. Martins Engg. College
11	Drone Invigilator	Akhil Kumar Guduri	B.V. Raju Institute of Technology
12	Electric bulb controller	Lalith Kumar Reddy Bhavanam	JNTUH College of Engg. Hyderabad
13	Electri-City	Voore Nandu	J.B.Institute of Engg. and Technology
14	Enclosed Space Security	Varun Vemula	CMR Engg. College
15	ENOTE - the ecofriendly future	chintha sai charan	JNTUH College of Engg. Hyderabad
16	FarmMania	Shiva Shankar Katika	VNR Vignana Jyothi Institute of Engg. & Technology
17	Health care monitoring system for rural pregnant women	Teja Sai .M	ACE Engg. College
18	Hot Air Power Producer and Yielder	Nishanth kumar Martha	JNTUH College of Engg. Hyderabad
19	Hybrid super capacitor	Pulipaka Manogna	St. Martins Engg. College
20	hybrid vehicles	Abburi divyavani	JNTUH College of Engg. Hyd.
21	Isolation Of Person in Busy Environment	Chamala Harshita	CMR Engg. College
22	Majadoor	Pravali	Malla Reddy Engg. College for Women
23	MHPS App	Boreddy Arthi Reddy	Vidya Jyothi Institute of Technology
24	Online Bus Pass Management System	Vasa Ganesh	CVR College of Engineering
25	ORing(online rationing)	Kunta sanjana reddy	Malla Reddy Engg. College for Women
26	Paws	Aarthi Mupparthy	ACE Engg. College
27	Pothole and open manhole detection system	Vennela Pulavarti	BVRIT Hyderabad CEW
28	Quality Monitoring of Mid Day Meal	B. V. Lakshmi	Malla Reddy Engg. College for Women
29	Recyclers	Varun	VNR Vignana Jyothi Institute of Engineering & Technology

30	Reducing Stress Through TECH	T. Sonalipriya	Talla padmavathi college of Engg.
31	Resume Screening	Rekha Choudhary	Malla Reddy Engg. College for Women
32	Smart Band	G. Prudvija	Malla Reddy Engg. College for Women
33	Smart Health Card	Tatapudi Aparna	Malla Reddy Engg. College for Women
34	Smart Marts	Babinolla Ramu	Vidya Jyothi Institute of Technology
35	Smart Restro Management	R. Sriram Choudary	CVR College of Engineering
36	Smart trolley for supermarket	Anuhya Pittala	Sreenidhi Institute of Science and Technology
37	Smart Water Tank	Sai Pranav Y	Vidya Jyothi Institute of Technology
38	Solar controlled integrated pest management system	Chilakabhathini Divya sri	Priyadarshini Institute of Science & Technology for Women
39	Sree-Swachh	M. Aaschita Reddy	Sreenidhi Institute of Science and Technology
40	To kill virus uv box and bus sanitization mission	Kaparathi bhargav	CMR Engg. College
41	Trail gap	Rajendra Prasad	CMR Institute of Technology
42	Upanishad	Makam likitha	Malla Reddy Engg. College for Women
43	Vaali (Vaani to Lipi) A Speech Conveter App	Avadhanam Nishika Geetkar	JNTUH College of Engineering Hyderabad
44	Vaari (water for global)	G. Tharuni	Sreenidhi Institute of Science and Technology
45	Vehicle control by alcohol detector	Bhogadi Siri	CMR Engg. College
46	Virtual health assistant	Vyshnavi Tinnavalli	Malla Reddy Engg. College for Women
47	Waterbox	Dugyala Hari varshith	JNTUH College of Engineering Hyderabad
48	Wingman	Dhonisharam Shiva	JNTUH College of Engineering Hyderabad
50	AID for the Blind	K. Aniketh	J.B.Institute of Engineering and Technology
51	Automatic Scrap Collecting Robot	Bandi Akhil	Geethanjali College of Engg. and Technology

52	Ayu samsaad	Daruru jahnavi	JNTUH College of Engg. Manthani
53	CaRe – Can Recycling	Tejaswi Dayyala	BVRIT Hyd CEW
54	Child Tracker with Emergency Notification using IBM Cloud	S. G. Surupa	Geethanjali College of Engineering and Technology
55	Geron Care	P.Sarayu	BVRIT HYD CEW
56	Kisaandhan	Kongara Bhavya Sai	ACE Engg. College
57	kissandhan	Kongara Bhavya sai	ACE Engg. College
58	Lifeholder	Celina	ACE Engg. College
59	Minimalist Business	N.Jyothi	ACE Engg. College
60	My Home Services	Meghana Gogi	VNR VJIT HYD
61	Over Head Tank Sedimentation Cleaning	CH.Bhargav Venkata Krishna Nag	MLR Institute of Technology, Hyderabad
62	Paddy Thresher	Nanda Kishore Kotakonda	MLR Institute of Technology, Hyderabad
63	Pillar Painting Robot	P. Sai Nikhil Reddy	MLR Institute of Technology, Hyderabad
64	Pipeline Inspection on Robot	Kakaraparthi Ganesh	MLR Institute of Technology
65	Portable Ultra-Sound Device	S. Srinidhi	J.B.Institute of Engg. and Technology
66	Safety Shoe	Kacham Akanksha	BVRIT Hyderabad CEW
67	Smart attendance using speech recognition	Kolasani Aarti Chowdary	VNR Vignana Jyothi Institute of Engg. & Technology
68	Social Distance Sensor	G.Kavya Sree	ACE Engg. College
69	Track My Bus	Enduri Virat Rishith	JNTUH College of Engg. Manthani
70	Water damage to the building and its repair	Gade.Lahari	Talla Padmavathi College of Engg.
71	Webdevelopment	Kotagiri akhila	Talla Padmavathi College of Engg.



Details of Webinars/ Conferences/ Seminars/ Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty

- Dr.G.Vijaya Kumari, Professor of CSE & Director JHUB JNTUH delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 18th March 2021 at 03:00 pm to 05:00 pm.
- Dr.G.Vijaya Kumari, Professor of CSE & Director JHUB JNTUH delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 01th April 2021 at 3:00 to 5:00 pm.
- Dr.G.Vijaya Kumari, Professor of CSE & Director JHUB JNTUH delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 22nd April 2021 at 3:00 to 5:00 pm.
- Mr.Mahesh Seethagari, Manager Mentor Relations & Industry Outreach (Adhoc) delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 18th March 2021 at 3:00 to 5:00 pm.
- Mr.Mahesh Seethagari, Manager Mentor Relations & Industry Outreach (Adhoc) delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 01th April 2021 at 3:00 to 5:00 pm.
- Mr.Mahesh Seethagari, Manager Mentor Relations & Industry Outreach (Adhoc) delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 22nd April 2021 at 3:00 to 5:00 pm.
- Mr.B.Srinivas, Lecturer (Adhoc) delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 18th March 2021 at 3:00 to 5:00 pm.
- Mr.B.Srinivas, Lecturer (Adhoc) delivered by T-Hub and Wadhvani Foundation Incubator Masterclass Series for CEOs, COOs, and Managers of Incubators Virtual mode on 01th April 2021 at 3:00 to 5:00 pm.
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Series for CEOs, COOs, and Managers of Incubators
Virtual mode on 22nd April 2021 at 3:00 to 5:00 pm.

Keynote Address/ Invited Talks/Expert Lectures Delivered by the Faculty

- Dr.G.Vijaya Kumari, Professor of CSE & Director JHUB JNTUH delivered an expert lecture on “Transfer Learning in NLP” at AICTE sponsored FDP on "Advanced Artificial Intelligence Technologies and Leveraging Open Framework and SDKs” on 06th March 2021 at JBIET Hyderabad.

Faculty Achievements

Journal Papers Published by the Faculty

- Mr.D.Chandra Sekhar Reddy, Dr.G.Vijayakumari, “A Performance Analysis and Comparison of QoS On-Demand Routing Protocols in Mobile Ad-Hoc Networks” in Strad Research Journal, Vol., VOLUME 8, ISSUE 6, Page No. 64-81 in 2021.

Start-Up Activities

Idea Accelerator program (IAP) 2021

- Idea Accelerator Program (IAP) 2021 has been Launched on 27th March, 2021 to help students with ideas and valid prototypes build startup. Six month program conducted on part time basis with combination of Lean Canvas, Agile methodologies and applications of Design thinking process to convert their idea into startup. At the end of the program the team will get an opportunity to pitch before the investors.

The following is the list of Team / Ideas Admitted.

01. Electric Wheelchair

Name of the Start-up	Electric wheelchair
Founders	M. Prashanth Kumar
Nature of Start-up	To design an automated vehicle for physically impaired people’s mobility.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator’s detail	Dr. G. Vijaya kumari

02. Prototype Design in Wireless Network

Name of the Start-up	Prototype design in wireless network
Founders	Shivamurthy Hiremath
Nature of Start-up	Prototype design in wireless network
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator’s detail	Dr. G. Vijaya kumari

03. Intelligent Writing Arm

Name of the Start-Up	Intelligent writing arm
Founders	Charith Chandra Sai
Nature of Start-up	Intelligent writing arm
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator’s detail	Dr. G. Vijaya kumari

04. Solar Based Smart Acclimate Sprayer

Name of the Start-Up	Solar Based Smart Acclimate Sprayer
Founders	M. Jyotika Amulya
Nature of Start-up	A remotely operated acclimate solar sprayer automated machine designed to adjust remotely and would avoid farmers exposure to hazardous chemicals and pains.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator’s detail	Dr. G. Vijaya kumari

05. Lads (Licence Authorization and Driver's Safety) / Gravi-T

Name of the Start-up	Lads (licence authorization and driver's safety) / gravi-t
Founders	Kodati Revanth
Nature of Start-up	A software solution that provides in eliminating the unauthorised usage vehicles, drowsiness while riding, free from accident.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator’s detail	Dr. G. Vijaya kumari

06. C-TOY

Name of the Start-Up	C-TOY
Founders	Yenamala Umamahesh
Nature of Start-up	An app controlled toy, C-Toy which would enact as a vaccume cleaner for cars and other fourwheeler automobiles.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator’s detail	Dr. G. Vijaya kumari




07. I-Smart Module

Name of the Start-Up	I-Smart Module
Founders	Bandameedi Sai Shiva

Nature of Start-up	A secured theft free and fuel Check can be done with an Attached hardware device for two wheeler vehicle and can be monitored by integrating it with the mobile app.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

08. Fluido Capteur

Name of the Start-Up	Fluido Capteur
Founders	K.. Lakshmi Prasuna
Nature of Start-up	An IoT based automatic notification alerting device attached to the saline stand while reaches the critical level.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari
	

09. Mission Clean

Name of the Start-up	MISSION CLEAN
Founders	Thatiparthi Prathiba Reddy
Nature of Start-up	Secondary treatment of sewage water treatment, a replacement to the conventional method.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

10. SD Belt

Name of the Start-up	SD belt
Founders	Rani Chowdhary
Nature of Start-up	IoT based belt for alerting social distancing norms
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

11. Monstograin

Name of the Start-up	Monstograin
Founders	L. Nishit Reddy
Nature of Start-up	IoT based Warehouse / Grain monitoring System
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

12. The Historer

Name of the Start-up	The Historer
Founders	Sure Keerthi Reddy
Nature of Start-up	Electronic Medical History Recorder
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

13. Online Voting System using Blockchain

Name of the Start-up	Online Voting System using Blockchain
Founders	Shivani Kolanu
Nature of Start-up	Blockchain based system for online voting
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

14. Diagnostico / Mavericks

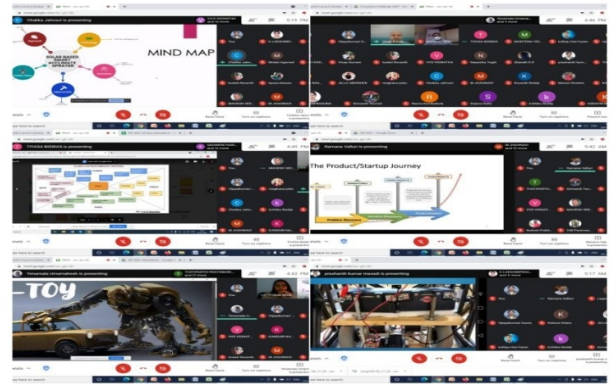
Name of the Start-up	Diagnostico / Mavericks
Founders	Srimanth Tenneti
Nature of Start-up	A C-T Scan classifier that would categorize into chest, head, abdomen and breast there the automation takes place in terms of manual C,T Classification.
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari

15. FOOD DART

Name of the Start-up	FOOD DART
Founders	Bommapala Kiran
Nature of Start-up	Food Dart
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumari




16. ONI-The Scarecrow

Name of the Start-up	ONI-The Scarecrow
Founders	Neeraj Singh Sarathe
Nature of Start-up	ONI-The Scarecrow
Date of Commencement	27 th March 2021
Sponsoring Organization	JHUB JNTUH
Coordinator's detail	Dr. G. Vijaya kumara



Alumni startups admitted to the Incubator

01. GHM Works Pvt Ltd

Name of the Start-up	GHM Works Pvt Ltd
Founders	Mr. Nikhil Gunda, CEO Mr V. Sai Meher Krishna
Nature of Start-up	Currently manufacturing and assembling of electric vehicles includes tricycles, bicycles and three-wheeler auto rickshaws. Aiming to design, fabricate and assembling of 80% electrical components in house. Based algorithms to monitor and service battery status through smart BMS in EVs.
Date of Commencement	JUNE 2021
Sponsoring Organization	NO (SELF)
Coordinator's detail	Dr. G. Vijaya kumari
	  

Any other Achievements by J-HUB

Name of the Activity	Action plan for implementation of National Innovation and Startup Policy (NISIP)
Date	U.O NOTE NO. RP/EC-55/2021, Dated. 18.02.2021
Brief Description	JHUB JNTUH has laid out an action plan for implementation of National Innovation and Startup Policy (NISIP) as approved by the Executive Council JNTUH. Under this policy students can avail course credits for entrepreneurial and startup activity can take up on minor specialization by acquiring 18-20 credits over and above the credits for obtaining their major degree. Award of Course credits for the student entrepreneurial and startup activities. Allowance of concession in attendance for the candidates permitted for entrepreneurial and startup activities. Award of specialization/ minor in Entrepreneurship. Ranking of Institutions on Innovation and Startup Activity promotion.

Forthcoming Events

Event Name	J-VEN (JNTUH VENTURE)
Organized by	JNTUHCEH ALUMNI-USA
Date	August 21, 2021
Theme of the event	Investors meet-A, B AND C series, Angel and Alumni Investors meet. Student or alumni start up/entrepreneurs will pitch to Investor for seeking fund.

NSS Activites

About NSS Cell

- JNTUH NSS Cell, is one of most active NSS Cells in the state of Telangana, with 145 funded units and 65 Self financial Units. JNTUH NSS Volunteers are always in the fore front to promote both state & central flagship Programs, JNTUH NSS Cell has organized various International / National / State / University / District Level Programs for the benefits

the volunteers, JNTUH NSS Volunteers & Program Officers have received many National Awards and State Awards from Ministry of Youth Affairs & Sports, Govt. of India & Higher Education Department Govt. of Telangana.

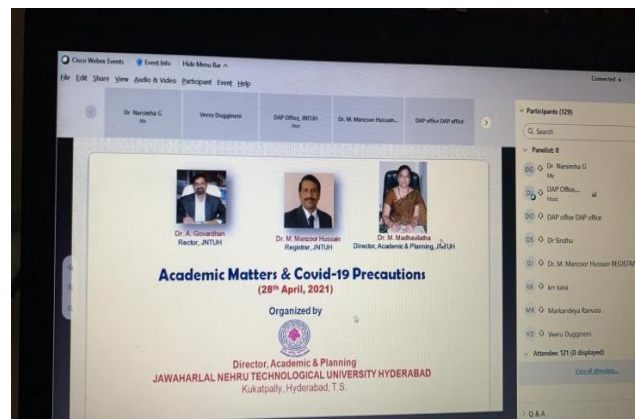
Various Activities taken up by the University, NSS Volunteers and Colleges during COVID

SL. No.	Name of Activities	Participated No.	No. of Beneficiaries
1.	Training of Coordinators and NSS Program Officers by NSS Directorate, New Delhi on COVID 19	24	2400 NSS volunteers
2.	Capacity Building Training Program for NSS Program officers on COVID19 precautionary measures	198	nearly 13,000 NSS Volunteers
3.	Donation of Food Glossary to the need Donation of Food to	5,1237	32,812 (nearly families)
4.	the beggars, daily wage Labour, policemen etc.	3,051	27,0123 (people daily) X15 days = 40.51,845
5.	Distribution of Masks	932	3,291
6.	Distribution of sanitizers	193	932
7.	Blood Donation	66	66
8.	Sensitizing the public on social distancing at Kiran Stores and Vegetable Markets, other awareness programs	103	4,841
9.	Contribution of Funds to both CM's and PM's relief funds .	35	near to 2,00,00,000
10.	Clean and Green Program by all NSS Units From 25-01-2021 to 30 -01-2021.	145	14500
11.	One Day Workshop on Atmanirbhar Bharath in Association with MGNCRE on 20-03-2021	50	60 NSS programme officers
12.	Blood Donation Camp in all affiliated and Constituent Colleges organized On 22-03-2021	65	1300 Units of Bloods
13.	Training Covid -19 Warriors May 2020 and June 2020	145	14500
14.	Distribution of food grains to Migrant labour in association with Police Dept. Ibrahimpatnam April, 2020	50	200
15.	E-Poster Competition and Quiz on covid	50	1500

Awareness July, 2020			
16.	Organization of Covid-19 awareness, Distribution of Mask, and Sanitizers in the Adopted Villages, Slum Areas, and urban areas with the help of NSS volunteers	120	40,000
17.	Vaccination drive for College Staff, Students, adopted Village people and Slum area People.	4	3000
18.	Counseling and Interactive sessions for Youth of Rural and Urban Communities by Health Experts and Psychologist	50	5000
19.	Transforming Youth Into Responsible Citizens with the help of NSS volunteers	3	600

JNTUH Online Meeting on "Academic Matters & Covid-19 Precautions" for JNTUH Constituent & Affiliated Colleges on 28.04.2021

- As per the instructions of the Govt. Of Telangana, the Hon'ble Vice-Chancellor, has given directions, the JNTUH has organized online meeting on awareness of Corona Virus programme on 28.04.2021 at University Level. The constituent and affiliated colleges are participated in this programme.
- In this programme the Chief Guest Dr. A. Govardhan, Rector, Guest of Honor Dr.M.Manzoor Hussain, Registrar and Dr.M.Madhavilatha, DAP have delivered their valuable speeches to the Participants on "Academic Matters and & Covid-19 Precautions"



JNTUH organized Online Meeting on Corona Virus Awareness Program on 28th April 2021.

Blood Donation Camp on 23 March 2021

- JNTUH organized blood donation camp at University Health Centre on 23/03/2021, Dr.A.Govardhan, Rector, Registrar Dr.M. Manzoor Hussain participated in this blood donation camp. The Teaching and Non Teaching staff and NSS Volunteers were involved and organized the camp.



Dr.A.Govardhan, Rector, Dr.Manzoor Hussain, Registrar in Blood Donation Camp held on 23 March 2021 at JNTUHCEH.

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