



JNTUHCEH NEWS

A Half-Yearly Newsletter



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Honorable Vice-Chancellor Prof. Katta Narasimha Reddy, Registrar Dr. M. Manzoor Hussain and Principal Dr. A. Prabhu Kumar during the inauguration of Covid-19 Free Vaccination Drive at Class Room Complex JNTUH CEH in 2021.



Honorable Vice-Chancellor Prof. Katta Narasimha Reddy, Rector Dr. A. Govardhan, Registrar Dr. M. Manzoor Hussain and the Staff participated in Haritha Haram Programm at JNTUH CEH in 2021.



Honorable Vice-Chancellor Prof. Katta Narasimha Reddy, Rector Dr. A. Govardhan, Registrar Dr. M. Manzoor Hussain and the Staff participated in *Haritha Haram* Program at JNTUH in 2021.



Principal Dr. A. Prabhu Kumar and Vice-Principal Dr. M.T. Naik at *Covid-19 Free Vaccination Drive* at Class Room Complex JNTUH CEH in 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, Assistant Professor 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, Assistant Professor 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, Assistant Professor attended a Three Day National Conference on “IIPR & Pretending Patentability Through Patent Prior Art Searches, Patent Drafting & Filling 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, Assistant Professor 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 of 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 “I2OR” 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 Application: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 OEWIM 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 University.
- 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.Shraavan Kumar, Assistant Professor (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, Assistant Professor (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, Assistant Professor 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, Assistant Professor 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, Assistant Professor 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	Tes ninja	3.6 LPA
2		17011 A0609	Konda Deepika	Tes ninja	3.6 LPA
3		17011 A0610	Vallapu Divya	Tes 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	Tes 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.Srinivas Gunadity	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 Floatation Cell	01	59,745/-
3		Fluid Mechanics Lab	Drag Co-Efficient Apparatus	01	44,-100
4		Instrumentation & Processes Control lab	Dynamics of Thermocouple & 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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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	CH21 S514 044 42
2		17011A0810	Ch.Kalyan sundar Krishna	2357	381	CH21 S560 6519 0
3		17011A0811	V.Kamya	1014	519	CH21 S514 090 50
4		17011A0827	R. Sahiti Krishna	1790	430	CH21 S514 071 01
5		17011A0829	A .Sai Anirudh	565	593	CH21 S514 090 54
6		17011A0831	I.Sai Mohith	2615	361	CH21 S514 090 58
7		17011A0836	B.Shiva Raj	2558	365	CH21 S514 041 62
8		17011A0840	S.Srivalli	2495	369	CH21 S514 072 89
9		17011A0846	B.VenKata Rohith Raj	2295	385	CH21 S514 071 21
10		17011A0850	A.VIswas Reddy	1344	479	CH21 S514 056 34
11		18011A0802	A. Sravya (3 rd Year)	2671	357	CH21 S514 055 50

- 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	17011A0811	V.Kamya	Aragen Life Sciences Pvt. Ltd. Hyderabad	3.4 LPA	19 th May 2021
2	17011A0820	G.Naveen Kumar	Aurobindo Pharma Limited	3.6 LPA	04 th June 2021
3	17011A0822	Tilaru Pavan Kumar	ITC	6.81 LPA	-
4	17011A0827	Ravuri Sahiti Krishna	ITC	6.81 LPA	-
5	17011A0836	B.Shiva Raj	Aurobindo Pharma Ltd.	3.6 LPA	04 th June 2021
6	17011A0840	Sriperambudur Srivalli	ITC	6.81 LPA	-
7	17011A0847	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, Assistant Professor 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 kumar, “Darcy-forchheimer flow of ree-eyring fluid over an inclined plate with chemical reaction: A stactical 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 etal. “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 Estrinsic 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 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.
- 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, Assistant Professor 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, Assistant Professor 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, Assistant Professor (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, Assistant Professor 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, Assistant Professor 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, Assistant Professor (C) attended an Two Day International Conference on “Space, Narratives and South Asian Diasporic/ Transnational Experiences” from 04th-05th March 2021 organized by the Indi-Canadian Studies Centre, University of Mumbai.
- Mr.K.Balraj, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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, Assistant Professor (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. Telangana.

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

- Dr.NVSN Lakshmi, Assistant Professor 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 Distortions 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. Harsha vardhan	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)
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

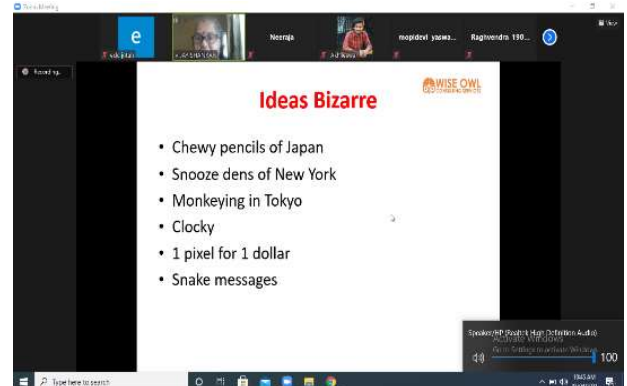
LIST OF PROGRAMS CONDUCTED BY EDC CELL JNTUH FOR THE FINANCIAL YEAR- 2020-2021

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	EDII-DST-	JNTUH CEH,	03 rd -30 th March	50

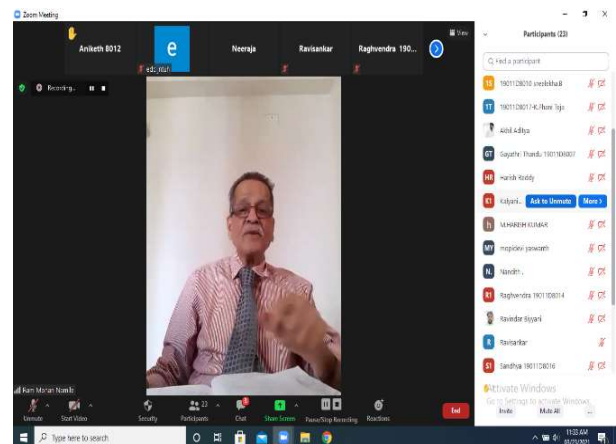
urship Development program (EDP)	NIMAT Project	Hyd.	2021	
Total				100

Forthcoming Events

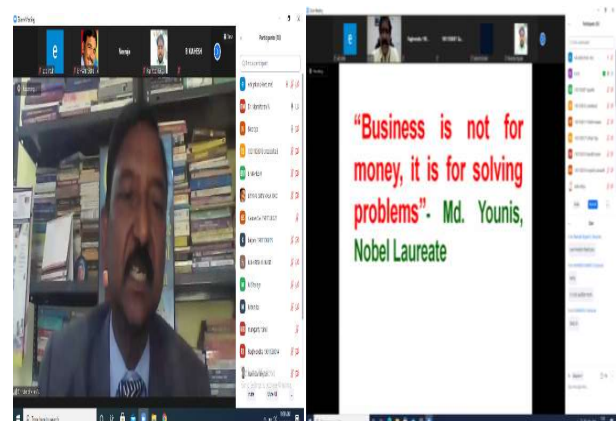
- Entrepreneurship Awareness Camps (3 Days)
- Entrepreneurship Development Program (1 Month)



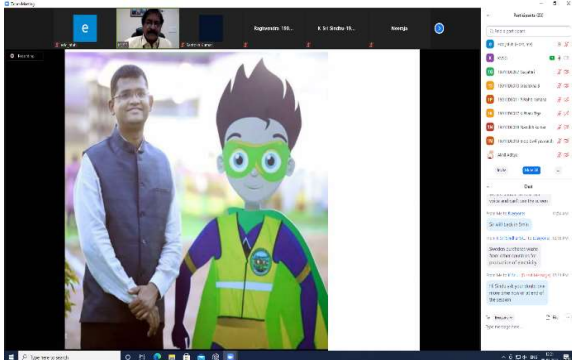
EDP Inputs Given By Dr.Radhika Meenakshi, Dr.Manoharan, and Dr. Murali Krishna



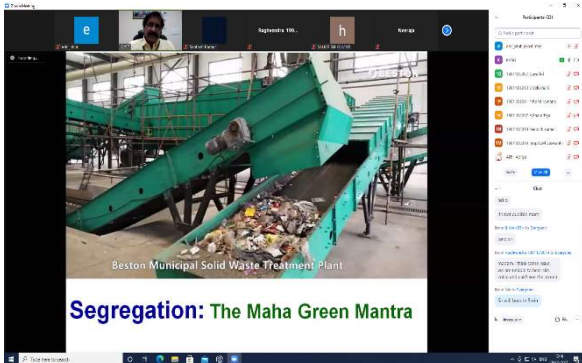
Mr.Ramamohan ,Faculty of EDP , briefing about Bank formalities for getting business loans



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. Bhamara 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 bangalore, 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. Sri Pad 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 Distinguished 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/1tCoxSM9vigklzt5fteyqMUox1EoWNq7z/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.
- Listen to the episode to learn why Sri believes "leadership happens in daily moments." <https://dtsx.io/31Ac2Gx>
- 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 Technologies	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. Udhithaa - 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

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, Professor	Faculty Development Programme	28 th - 30 th January 2021	ESCI, Goa
2	Mechanical Engineering Dept.	Dr.B.Anjaneya Prasad	Faculty Development Programme	28 th - 30 th January 2021	ESCI, Goa

3	Mechanical Engineering Dept.	Dr.G.Krishna Mohana Rao, Professor	Faculty Development Programme	28 th - 30 th January 2021	ESCI, Goa
4	Professor of Coordination	Dr.P.Chandrasekhara Reddy, Professor	Faculty Development Programme	28 th - 30 th January 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 Program	Organizing institute and Venue	Date
1	Mohd. Musthaq Mohiuddin	Mechanical Engineering Dept.	Capacity Building Training	Shimla ESCI	13 th -16 th March 2021
2	P.Venkaatesh	Civil Engineering Dept.	Capacity Building Training	Shimla ESCI	13 th -16 th March 2021
3	Mohd. Omer	Mechanical Engineering Dept.	Capacity Building Training	Shimla ESCI	13 th - 16 th March 2021
4	P.Tirupathi Rao	Mechanical Engineering Department	Capacity Building Training	Shimla ESCI	13 th - 16 th March 2021
5	Smt.M. Hamsa Veni, Assistant registrar	Assistant registrar	Capacity Building Training	Port Blair, Andaman & Nicobar	25 th -28 th February 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 Monitori

			ng 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

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JNTUH COLLEGE OF ENGINEERING HYDERABAD

(Autonomous)

Kukatpally, Hyderabad-500085, Telangana, India

Web: www.jntuhceh.ac.in, e-mail: newsletter.ceh@jntuh.ac.in, Phone No.: 91-40-23057787, Fax No.: 91-40-23057787