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THE BEACON RAY

A quarterly newsletter of NIT Warangal

FOREWORD



Prof. N. V. Ramana Rao
Director, NIT Warangal

Dear Friends,

Wish you all a Happy and Prosperous New Year-2022.

Hope all of you and your family members are doing well and are safe during the COVID-19. The Institute has been making good progress on all fronts despite of the COVID induced difficulties. The Academic Year 2020-21 was completed in all respects successfully, thanks to the efforts of all the stake holders, especially the Faculty.

A JoSAA awareness program was conducted on 17thOctober 2021 for the benefit of JoSAA aspirants. This program was conducted "live" through "YouTube" for more than three hours where several queries of the aspirants were addressed. This program received good appreciation from all quarters.

The Admissions for the Academic year 2021-22 were completed successfully and the class work has started on a smooth note for all the classes. The Institute is still experimenting with different ideas for switching to Physical classes. Hope time will resolve all the issues.

The Institute has been striving hard to improve its performance on all aspects. All the stakeholders are working hard with this focus which, we believe, will eventually improve the Ranking of the Institute further, in the NIRF-2021.

Annual Academic Performance Appraisal meetings were conducted successfully on 10th and 11th November, 2021, wherein all the Academic Departments of the Institute have presented details of the progress made by the respective departments on different academic aspects. This has given us an opportunity to know the strengths and weaknesses, and evolve strategies for improvement. Actionable points have been identified and a plan of action has been drawn to work upon.

A week-long Induction program was conducted for the benefit of the B.Tech I-year students from 3rd to 10th December, 2021, wherein they were introduced to the NIT academic system, besides different aspects of Universal Human Values and All-Round Personality Development.

Research, Publications and Patents have become a part of our Institute Work Culture. I am very happy that a large number of our faculty colleagues were recently sanctioned prestigious externally sponsored R&D Projects. I congratulate all of them. My special congratulations to all the faculty colleagues, whose patents were granted. I am confident that this work culture of "Academics blended with Projects, Publications and Patents" will take the Institute to greater heights. The NITW Alumni Association has been doing great work. The achievements of the Alumni are testimonies of the standards of the Institute. It is heartening to note that the students of NITW are doing exceedingly well in the campus placements. A large number of students have already been placed and, efforts are being made to improve the placements further. It is also worth mentioning that the IEEE Students Chapter of NIT Warangal has been doing extremely well and is presented the "Exemplary Student Branch Award for the year 2021".

I congratulate the Editorial Board of the Newsletter for compiling all the details and bringing out in this neat format. Finally, I would like to remind all the colleagues that Teaching and Research have to go hand in hand for the development and better ranking of the Institute. Let us all resolve to work hard and keep the flag of NIT Warangal high.

Prof. N. V. Ramana Rao
Director, NIT Warangal

National Workshop on Prefabricated Buildings and Construction

On the eve of the Superannuation of our beloved Director Prof N.V. Ramana Rao from JNTU Hyderabad this month, a National Workshop on Prefabricated Buildings and Construction NWPBC was organised jointly by Dept of Civil Engineering JNTU Hyderabad and Dept of Civil Engineering NIT Warangal at JN Auditorium, JNTU Hyderabad on 29th and 30th November 2021. This is a state of the art and thrust area in the field of civil engineering. Distinguished speakers from Industry and Academia delivered expert lectures in this Workshop.





Patents

- A.Suchith Reddy and **Prof P.Rathish Kumar**, Indian Patent Filed on " A method and system for assessing sustainability of civil infrastructure, Application No. 202141054686, 26th November 2021.

- **Mukul Pradhan**, S. Rudra, R. Chakraborty File No. 202141054738 Synthesis of Graphitized Carbon from Biomass using Focused Sunlight in a Newly Designed Reaction Setup for Energy Storage Application, 2021

- **E. Suresh Babu** "An Efficient Spectral Cluster Routing Method to Enhance the Network Performance in Wireless Sensor Networks Publication The Patent Office Journal No. 12/2021 Dated 19/03/2021

- **Dr. V. Rama** and **Prof. C. B. Rama Rao** have been granted a patent on "A Tele -Health Care System and Method for Early Disease Detection" bearing patent no. 2021105599, date: 03/11/2021

- **Dr. Suresh Babu Perli** received Innovation patent from Australia for the title " A Web-Enabled Smart Home Gateway for Automatic Device and Network Configuration and Automatic System Updates Via IoT", Date of Grant: 15 Dec 2021





Research projects

- **Surajbhan Sevda**, Project titled "Recovery of Ammonia and Phosphorous Accompanied by Microbial Protein Production Using Electrochemically and Bioelectrochemically Driven Process from Human Urine " by Science and Engineering Research Board(SERB), 2021, 24.27 Lakhs

- **Dr. Sudheer Kumar** is awarded with the DST CRG Project titled "Performance Evaluation of modified composite vertical drains used in expansive soils", Project budget 32.5 Lakhs for three years duration.

- **Dr. K.B. Raghuram** received approval for SERB-SRG Project titled "A study of pedestrian exposure to traffic emissions and consequences to their travel behavior", project budget: 28.2 Lakhs for a period of two years.

- **Dr. Manali Pal** received the SERB grant for her project titled "Development of Global Vertical Soil Moisture Profile Database using SMAP Data" project budget: 20,01,192 Lakhs for a period of two years

- **Dr. K.B. Raghuram** and **Prof CSRK Prasad** received a Sponsored Project from CSIR-CRRI titled "Development of Trip Generation Manual for Indian Cities'", project budget: 8.14 Lakhs for a period of two years.

- **Dr. Anjana P A**, "Catalyst Development for Hydrogen Peroxide dissociation for monopropellant Thrusters", ISRO RESPOND, 24.64 Lakhs, 2021-23.

- **Dr. Anjana P A**, "Development of single-crystal pyrochlore nanomaterial and its study as electrolyte for Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFC)", DST SERB, 25, 00,040, 2021-23.

- **Dr. R. Jeyasenthil** received a project entitled "Quantitative feedback theory based robust controller design for multivariable industrial plant emulator systems", DST-SERB/SRG, Amount: INR 28,86,800, 2021- 2023.

- **Dr.Venkatesh Gudipadu** and **Dr. P. Vamsi Krishna** received a Project titled "Performance enhancement of orthopedic implants with Rotary Ultrasonic Assisted Abrasive Flow Finishing (R-UAAFF) ", CORE Research grant DST-SERB, 34 Lakhs

- **Dr. Ch. Sampath Kumar** received a project titled "Development of an Efficient Thermal Management System for Electronic Cooling Using a Combination of Liquid Metal and Phase Change Materials", SRG Research Grant under DST-SERB call, Rs. 21,17,960

- **Dr. Karthik Balasubramanian** and **Dr.Ch. Sampath Kumar** received a Project titled "Effective Thermal Management of Electric Vehicle Battery Packs for Enhanced Efficiency, Reliability and Safety", CRG Research Grant under DST-SERB call, Rs. 21,17,960

- **Dr.V.Rajesh Khana Raju** and **Prof.S.Srinivasa Rao** received a project entitled "Design and Development of Microchannel Mixers for Medical Applications and Microchannel Heat Exchangers for Cooling Electronic Equipment", CRG Research Grant under DST-SERB call, Rs. 26,96,100

- **Dr. R. Jeyasenthil** received a project entitled "Quantitative feedback theory based robust controller design for multivariable industrial plant emulator systems", DST-SERB/SRG, Amount: INR 28, 86,800, 2021- 2023.

- **Dr. Ram Krishan** received a project entitled "Mode Extraction and Robust Adaptive Controller Design for DC microgrid system", DST-SERB/SRG, Amount: INR 33, 20,900, 2021- 2023.

Books and Book chapters

- Garlapati VK, Sharma S, **Surajbhan Sevda** (2021) Photosynthetic biogas upgrading - An attractive biological technology for biogas upgrading. In: Emerging Technologies and biological systems for biogas upgrading (Aryal N, Ottosen LDM, Kofoed MVW and Pant D, Eds)".Elsevier, USA (Accepted, In Press)

- Addy R, Yadav A, Kumar M, Ali U, Ankenapally A, Garlapati VK, **Surajbhan Sevda** (2021) Bioelectrochemical methods in Biomolecular Analysis. In: Nanobioanalytical Approaches to Medical Diagnostics (P Maurya & P Chandra, eds), Elsevier. (Accepted, In Press).

- Maddirala Shivani, Varsha K M, Motru Vineela, **Surajbhan Sevda**. Bioelectroremediation of Wastes using Bioelectrochemical System. In Scaling Up of Microbial Electrochemical Systems 1st edition. (Ediator: Dipak Jadhav Soumya Pandit S. Gajalakshmi Maulin Shah), Elsevier, 2021, ISBN: 9780323907651 (Accepted in press)

- Sudipa Bhadra, **Surajbhan Sevda**. Use of Bio-Electrochemical System For Industry Effluents And Resource Recovery. In "Novel Approaches towards Wastewater Treatment and Resource Recovery Technologies (Ed. By Arvind Kumar Mungray_Elsevier)", 2021 (accepted, in press)

- **Rathish Kumar Pancharathi**, M.L.V.Prasad and K.L.Radhika, "Stress Block Parameters of Confined Fibrous Recycled Self Compacting Concrete", Composites Science and Technology. Emerging Trends of Advanced Composite Materials in Structural Applications, 978-981-16-1687-7, 498865_1_En, (Chapter 8), Springer (Nature) Publishers.

- Yadav, A Atmakuri, S Chavan, RD Tyagi, P Drogui, **S Pilli**. Role of Bioeconomy in Circular Economy. Biomass, Biofuels, Biochemicals, 163-195 (2021).

- **Naresh Thota** "Molecular dynamics simulation for heat and mass transfer in Food products/processing" in Advanced Computational Techniques for Heat and Mass Transfer in Food Processing, by CRC Press, 2022. ISBN: 9780367747824.

- **Raghu Raja Pandiyan Kuppusamy**, Santoshi Mohanta. Swati Neogi. "Molding of Carbon-Epoxy Composite Prepregs for Applications in Aerospace Industries" in Advanced Composites in Aerospace Engineering Applications by Springer Nature, 2022 https://doi.org/10.1007/978-3-030-88192-4_15

- **Ilaiah Kavati, E. Suresh Babu, and Ramalingaswamy Cheruku**, "Real-Time Traffic Sign Recognition and Classification Using Deep Learning", published in Book Title Proceedings of the 12th International Conference on Soft Computing and Pattern Recognition (SoCPaR- 2020), Advances in Intelligent Systems and Computing- Springer-2021, 2021 ISBN- 978-3-030-73689-7, DOI- 10.1007/978-3-030-73689-7

- **V. K. Manupati**, Shukalya Akash K. **Illaiah, E. Suresh Babu**, and M. L. R. Varela, "Robust Supply Chain Network Design Under Facility Disruption by Consideration

of Risk Propagation", Published in Innovations in Industrial Engineering and Lecture Notes in Mechanical Engineering- Springer-2021, ISBN: 978-3-030-78170-5

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- **Earnest Paul Ijjina**, "Human Fall Detection in Depth-Videos using Temporal Templates and Convolutional Neural Networks" in Artificial Intelligence and Assistive Technologies, Springer, pp. 217-236, Dec 2021. ISBN: 978-3-030-87132-1. doi: 10.1007/978-3-030-87132-1_10

- **Srinivas, M**, Sanjeev Saurav, Akshay Nayak, and A. P. Murukessan. "Facial Expression Recognition Using Fusion of Deep Learning and Multiple Features", Machine Learning Algorithms and Applications (2021), Wiely, 229-246, ISBN: 9781119769262.

- Ashish Undirwade, **Sujit Das,** Image Anonymization Using Deep Convolutional Generative Adversarial Network, Machine Learning Algorithms and Applications, Wiely, 2021, https://doi.org/10.1002/9781119769262.ch17

- **K. Raghavendra, M. Manjaiah**, K Ankit, N Balashanmugam, "Study of Mechanical Properties of Photo Polymer Lab-on-a-Chip Structures Fabricated by Scan-Based Microstereolithography" Manufacturing and Industrial Engineering, CRC Press,2021, ISBN: 9781003088073

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Polymer based Composites, Tribology of Polymer and Polymer Composites for Industry 4.0 Springer Nature,2021(Accepted

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- Ambadas, **Adepu Kuma**r, G Rajasingh, M K Kishore, "Dissimilar joining of Titanium to pure Aluminium using Friction Stir Welding (FSW) Process" 3rd International Conference on Processing and Characterization of Materials (ICPCM 2021) on 07th - 08th December 2021, NIT Rourkela (Awards : Best Presenter Award)

- N V Raghavaiah and **G Naga Srinivasulu**, presented the conference paper titled "Experimental Investigation on Passive Direct Methanol Fuel Cell with dissimilar Current Collector Materials'', in 2nd National & 1st International Conference on Advances in Fluid Flow and Thermal Sciences (ICAFFTS-2021) during September 24-25, 2021, organised by S V NIT Surat, Gujarat.

- N V Raghavaiah and **G Naga Srinivasulu**, "Fuel Cells for Alternative and Sustainable Energy Systems", Book chapter, Renewable Energy for Sustainable Growth Assessment, 361-385, Wiley Scrivener publication, (October 2021).

- **G Naga Srinivasulu**, delivered keynote lecture on "Proton Exchange Fuel Cells: Technology and Applications", International Conference on Recent Trends in Energy Science and Engineering (ICRTESE 2021) during October 26-28, 2021, Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Amethi, India.

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- S Satya Hanush and **M Manjaiah**, "Topology Optimization of Aerospace Part to Enhance the Performance by Additive Manufacturing Process" International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (December 9-11, 2021), organized by IIT Ropar.

- Vivek Praveen, Pritam Das, **V.P. Chandramohan**, A novel concept of introducing a fillet at the chimney base of solar updraft tower plant and thereby improving the performance: A numerical study, Renewable Energy 179 (Dec 2021) 37-46, Elsevier, IF = 8, https://doi.org/10.1016/j.renene.2021.07.038

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Conferences and FDPs Organised

- **Dr. R. Vennela**, Intensive Teacher-Research 6-Month Cycle (May-Nov 2021) mentoring and research training support for govt. School teachers in Telangana and Andhra Pradesh. The teachers below have been nominated to present their classroom-research conducted during the 6months on 10th Dec 2021 at the "IATEFL International Teacher Research! Conference 2021" with Dr. R. Vennela as the mentor.



J V N Santha, School Assistant (English) Zilla Parishad High School, Nidamarru



Vangala Rajini, School Assistant (English) Zilla Parishad High School, Kundanapally

Takhee Pasha M D, School Assistant (English) Zilla Parishad High School, Tekumatla





Padmavathi Rainikindi, School Assistant (English) Government High School Girls Kazipet



Veluri Usha Sree, School Assistant (English) Zilla Parishad High School, Munipally District, Sangareddy

- **Prof. A. Sarath Babu & Dr. V. Ramsagar** - Organized an online STTP on "Process Simulation using Aspen" for students and faculty of Chemical Engineering, Andhra University from 25-29, Oct., 2021.

- **E. Suresh Babu** is the Coordinator for the Online Faculty Development Programme (FDP) On Cyber Crimes and Cyber Security Organized in Dept. of CS & IT, Maulana Azad National Urdu University (MANUU)In Association with E & ICT ACADEMY, NIT Warangal Sponsored by Ministry of Electronics and Information Technology (Meity), GOI) from 20th September – 1st October, 2021

- **E. Suresh Babu** is the Coordinator for the One Month Placement Training Programme on Programming and Data Structure Organized in Placement Cell in Association with Dr. B R Ambedkar Learning Center, NIT Warangal, from 4th May 4 Jun, 2021.

- **M. Srinivas** Coordinated a 10 days online FDP on Deep Learning and AI Applications, at Department of CSE, Geethanjali College of Engineering and Technology, Hyderabad, Association with E & ICT academy, NIT Warangal from 2nd – 9th August 2021.

- **M. Srinivas** Coordinated a 10 days online FDP on AI & Machine Learning, online FDP Organized in Department of CSIT, Rajarambapu Institute of Technology, Maharashtra, Association with E & ICT academy, NIT Warangal, from 21st-30th August 2021.

- **M. Srinivas and Perugu Shyam** Coordinated a 10 days online FDP on AI & Machine Learning for biomedical Applications at Department of CSE, NIT Warangal, Association with E & ICT academy, NIT Warangal, from 18th -27th October 2021.

- **M. Srinivas** Coordinated a 10 days online FDP on Research Issues in AI: Applications of Machine Learning, Computer Vision and NLP, Organized in Department of IT, VR Siddhartha Engineering College, Kanuru, Association with E & ICT academy, NIT Warangal, 20th -30th October 2021.

- **M. Srinivas** Coordinated a 10 days online FDP on Recent Trends in Medical Image Processing and Computer vision, Organized in Department of CSE, Yeswantrao Chavan College of Engineering (Autonomous), Nagpur, Association with E & ICT academy, NIT Warangal, 8th - 17th November 2021.

- **Sujit Das** Coordinated a 10 days online FDP on Data Science using AI and Soft Computing Techniques Organized by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Ramapuram, Association with E & ICT academy, NIT Warangal, 18th - 27th September 2021.

- **Kompella, L.** as a single resource person conducted a 12 week (12Sep2021-19Dec2021) workshop for 30 participants on *Machine learning and Energy Analytics* every sunday for 3 hours.The workshop is organized by IEEE-SB-NITW.

- **Prof. L. Anjaneyulu** and Dr. Chaitanya as coordinators have conducted FDP on "Recent Trends in Antenna Design and Applications", organized by NITW and Vasavi College of Engineering, n association with EICT academy, 6-15th Dec 2021

- **Dr. Mohammad Farukh Hashmi** coordinator of 10 Days Online Faculty Development Programme (FDP) on "AI & Machine Learning for Computer Vision Applications" from 3rdDecember – 12th December 2021Organized by Electronics & ICT Academy, NIT, Warangal in association with Shri Ramdeobaba College of Engineering and Management, Nagpur.

- **Dr. Perugu Shyam and Dr. M Srenivas**, coordinated Faculty Development Programme (FDP) on AI and Machine Learning for Biomedical Applications (18th –

27th October 2021) Organised by Department of Biotechnology, Computer Science and Engineering, E & ICT Academy, NIT Warangal (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI).

- Coordinator (**Dr. Perugu Shyam**) for Faculty Development Programme (FDP) on Advances in Bioinformatics, E & ICT Academy, NIT Warangal (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI). from 10th – 15th May 2021.

- Coordinator (**Dr. Perugu Shyam & Dr. P Anbumathi**), A Five Day Faculty Development Workshop on "Effective Teaching and Learning Practices in Computational biology". 15th -19th March 2021 in association with Teaching Learning Center, NIT Warangal.

Invited talks

- **Dr.K. Madhavi** delivered an expert lecture on 'Relationships and Ragging' as part of the Orientation Programme conducted for I.B.Tech students at VBIT, Ghatkesar , Hyderabad on 23rd November 2021.





- **Dr.K.Madhavi** delivered an expert lecture on 'Academic Writing Skills Essentials of Modern and Efficient Teaching Practices in Higher Education' on 16th November as part of the One Week FDP organized by TLC, from 11 th to 17 th November, SNNC ACS College, Kusumba, Dhule Maharashtra.

- **Dr.K.Madhavi** delivered an expert lecture on 'Stress Management and Emotional Intelligence' in a one - week short term course on 29th October, 2021"Soft Skills and Professional Ethics" organized by UGC-Human Resource Development Centre, JNTUH, from 25-10-2021 to 30-10-2021.

- **Dr. Anbumathi P**, Assistant Professor, Delivered a lecture in an international webinar Organized by PG & Research Department of Microbiology, Cauvery College for Women (Autonomous), Trichy on 25th October, 2021

- **Dr. Soumya Lipsa Rath** delivered a lecture on "Computer Simulations to expediate our understanding of COVID-19" in an online FDP on ADVANCEMENTS OF DIGITAL HEALTH AND MEDICAL INNOVATIONS DURING PANDEMIC Sponsored by AICTE Training and Learning (ATAL) Academy on 7th December 2021

- **Dr. Soumya Lipsa Rath** delivered a lecture on "Computer Simulations to understand protein dynamics" in a 10-Days Workshop (IDP, OHEPEE supported) on Basic Phylogeny, Homology Modeling & Molecular Docking Organised by Department of Biotechnology, Maharaja Sriram Chandra Bhanja Deo University, Baripada, Mayurbhanj, on 27th Nov, 2021

- **Dr. Priya**, Assistant professor delivered lecture on Advances in cell and molecular biology in the interactive session hosted by Department of biotechnology, BITS Pilani Dubai Campus, UAE, on 28th November 2021.

- **P.Rathish Kumar**, Invited Keynote Lecture delivered on "Key Indicators and Criteria for Assessment of Sustainable Building Materials" in the Three days International Conference on Recent Advances in Civil Engineering (ICRACE-2021) organised by Department of Civil Engineering, NIT Silchar

- **P.Rathish Kumar**, Invited Speaker, "Material Characterisation and Development of Sustainable Repair Mortars for Repair of Heritage Structures" ATAL AICTE Five Day Faculty Development Program on Innovation in Civil Engineering Materials & Techniques for Sustainable Development (ICEMTSD – 2021) organised by Department of Civil Engineering, NIT Silchar, Nov 2021.

- **P.Rathish Kumar**, Keynote Address on "Sustainable Materials and Life Cycle Assessment of Blended Cements in the Indian Context", Research Conclave 2021, Organized by the Research and Innovation Council of REVA University 16th -17th December 2021.

- Dr.T.P.Tezeswi, Invited Speaker, "Computational Aspects of Cementitious Materials", ATAL AICTE FIVE DAY Faculty Development Program (online) On "Advanced Concrete Technologies", Nov 12th, 2021,Dept. of Civil Engineering, Osmania University, Dec 6th, 2021.

- **Dr.T.P.Tezeswi**, Invited Speaker, "Fracture and Fatigue at Atomistic and Molecular Scales, Testing systems", ATAL AICTE FIVE DAY Faculty Development Program (online) On "Fracture Mechanism of Concrete Structures ", Dept. of Civil Engineering, Osmania University, Dec 6th, 2021.

- **Venkata Reddy Keesara**, Invited Speaker, "USE OF AI Based TOOLS in Geospatial applications", ONLINE ATAL-FDP on Recent Trends and Applications of GIS & Remote Sensing using AI organized by Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering & Technology, Krishna Dt., Andhra Pradesh, September 14, 2021

- **Manish Pandey**, Invited Speaker, "Sediment and scour hazards in natural streams", Three Day Online Training Program on Fluvial Disasters and Strategies in Risk Reduction organized by IIT Jammu and NIDm New Delhi, 29th October, 2021.

- **Sridhar Pilli**, expert lecture as Sustainable Sewerage System for Villages- Options and Challenges as part of AICTE sponsored Short Term Training Programme on the subject of Comprehensive Village Development - Feasibility & Sustainability on 23th September 2021

- **Sridhar Pilli**, Expert lecture on Circular Economy for Sustainable Development as part of this Short Term Training Programme on Comprehensive Village Development - Feasibility & Sustainability on 30th November 2021.

- **N V Umamahesh**, Invited talk on "Urban Floods: Issues and Challenges", Training program on Earthquake and Cyclone Disaster Risk Mitigation organised jointly by National Institute of Disaster Management (NIDM) and Andhra University on 27.10.2021

- **N V Umamahesh**, Invited talks on "Urbanization and its effects" and "Sustainable Urban Water Management", Training Program on Urban Health Issues organised by AP Human Resources Development Institute (APHRDI) on 02.12.2021

- **N V Umamahesh**, Invited talk on "Urban Floods: Issues and Challenges", AICTE-ISTE Refresher Program on Urban Flood Modelling Techniques, organised by CVR College of Engineering, Hyderabad on 10.12.2021

- **N V Umamahesh**, Invited talk on "Impacts of Climate Change on Hydroclimatic Extremes", Faculty Development Program on Past, Present and Future Research Areas in Thrust Areas of Civil Engineering organised by Reva University, Bangalore

- **S Biswas** delivered a lecture on Dam stability and hazard at the webinar on Sedimentation and Dam Stability, Delhi, sponsored by NIDM.

- **Dr. Venkata Suresh Patnaikuni**, delivered a talk on "Flow Field Designs for PEM Fuel Cells" during an international online workshop on 'Advances in Energy Technologies for Renewable-powered future' organized by NIT Warangal in collaboration with New Castle University, UK during 23-24 September 2021.

- **Dr. Venkata Suresh Patnaikuni** delivered a talk on "Chemical Looping Combustion based Coal-Fired Power Plants for Sustainable Thermal Power production : 4-E Analyses" during ATAL 5-day online FDP on 'Carbon Dioxide as a working fluid for future energy requirements' by NIT Andhra Pradesh during 25-29 September 2021.

- **Dr. Venkata Suresh Patnaikuni** delivered an invited talk on "4-E analyses of Chemical Looping Combustion based Coal-Fired Power Plants for Sustainable Thermal Power and Hydrogen production" on 4th International Conference on 'Recent Advances in Mathematical Sciences and Applications (RAMSA-21)' by GVP College of Engineering, Visakhapatnam from 21st to 24th December, 2021.



- **E. Suresh Babu** given Expert Talk on "IoT – Introduction, Challenges and Applications & IoT Architecture", for the AICTE-ISTE Sponsored Six Days Online Induction/Refresher Program on "IoT and Machine Learning", Organized by Department of Computer Science and Engineering, JNTUA College of Engineering, Anantapur on 06-Decmeber 2021.

- **E. Suresh Babu** given Expert Talk on "Architecture of IoT, Cloud Connectivity in IoT, Protocols on IoT", for the Cloud Computing for Industry4.0, Organized by Department of Computer Science and Engineering, Institute of Aeronautical Engineering, (Autonomous), Dundigal, Hyderabad-500043 on 25th November 2021.

- **E. Suresh Babu** delivered Expert Talk on "IoT Architecture in Smart Cities", in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on Internet of Things(IoT) in Smart Cities at Kongunadu College of Engineering and Technology on 22-September 2021

- **E. Suresh Babu** delivered Expert Talk on "IoT Vulnerabilities and Issues " FDP on "Contemporary Cryptographic Solutions For Iot Based Applications" organized by Department of Computer science and engineering, School of Computing, SASTRA Deemed University, Thanjavur, in association Electronics & ICT Academy, NIT Warangal on 25th August 2021

- **E. Suresh Babu** delivered Series of Expert Lectures on "IoT Architectures, Applications and Challenges", Two-week Online Refresher Course on "Internet of Things" is organizing by the UGC-Human Resource Development Centre, JNTUH, Hyderabad on 09th, 11th, 16th ,21st August 2021.

- **Earnest Paul Ijjina** delivered an expert lecture on "Auto Encoders and Computer Vision Applications" on 30th October 2021 in the 10-days FDP on "*Data Science and Machine Learning"* organized by Department of CS & IT, Maulana Azad National Urdu University, Hyderabad, in Association with E & ICT academy, NIT Warangal, from 20 to 30 Oct 2021.

- **Earnest Paul Ijjina** delivered an expert lecture on "Auto Encoders and Computer Vision Applications" on 15th November 2021 in the 10-days FDP on "*Recent Trends in Medical Image Processing and Computer vision"* organized by Department of CSE, Yeswantrao Chavan College of Engineering (Autonomous), Nagpur, in Association with E & ICT academy, NIT Warangal, during 8 - 17 November 2021.

- **Earnest Paul Ijjina** delivered an expert lecture on "Auto Encoders and Computer Vision Applications" on 8th December 2021 in the 10-days FDP on "*AI & Machine Learning for Computer Vision Applications"* organized by Department of Electronics & Communication, Shri Ramdeobaba College of Engineering and Management, Nagpur, in Association with E & ICT academy, NIT Warangal, during 3 – 12 December 2021.

- **Earnest Paul Ijjina** delivered an expert lecture on "Auto Encoders and Computer Vision Applications" on 17th December 2021 in the 10-days FDP on "*Computer Vision and ML Applications"* organized by Department of CSE, Raghu Institute of Technology, Visakhapatnam, in Association with E & ICT academy, NIT Warangal, during 10 – 19 December 2021.

- **Earnest Paul Ijjina** delivered an expert lecture on "Stacked Auto Encoder and Computer Vision Applications" on 24th December 2021 in the "Mini-Symposium on Reinforcement Learning with Adversarial Autoencoder", organized by Department of CS , Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam, Department of CSE, Raghu Institute of Technology, Visakhapatnam on 24 December 2021.

- **M. Srinivas** delivered an expert lecturer on "AI & ML Algorithms and Applications", One-week Online AICTE sponsored ATAL FDP program on Artificial Intelligence in Electronic Design from the Department of ECS, GITAM (Deemed- to be-University), Hyderabad, Telangana, 10-08-2021.

- **M. Srinivas** delivered an expert lecturer on "Research in Machine Learning", Online FDP program, from the Department of CSIT, Rajarambapu Institute of Technology, Maharashtra and E & ICT, NIT Warangal, 25-08-2021

- **M. Srinivas** delivered an expert lecturer on "AI & Machine Learning Applications" FIve-day AICTE sponsored STTP FDP program from the Department of Computer Science and Engineering, JNTUK, Kakinada, Andhra Pradesh, 1-9-2021.

- **M. Srinivas** delivered an expert lecturer on "Trends and Challenges in Medical Image Analysis through Deep Learning Algorithms" FIve-day AICTE sponsored STTP FDP program from the Department of Electronics and Instrumentation Engineering, VR Siddhartha Engineering College, Andhra Pradesh, 13-9-2021.

- **M. Srinivas** delivered an expert lecturer on "Data Science using AI and Machine Learning", Online FDP program, from the Department of CSE, SRM Institute of Science and Technology, Chennai and E & ICT, NIT Warangal, 19-09-2021.

- **M. Srinivas** delivered an expert lecturer on "CNN Models", Online FDP program, from the Department of CSE and Biotechnology, NIT Warangal and E & ICT, NIT Warangal, 19-10-2021.

- **M. Srinivas** delivered an expert lecturer on "Feature Representation and Classification", Online FDP program, from the Department of CSE, JNTU College of Engineering Anantapur and E & ICT, NIT Warangal, 20-10-2021.

- **M. Srinivas** delivered an expert lecturer on "Supervised and Unsupervised Learning Methods", Online FDP program, from the Department of CS & IT, Maulana Azad National Urdu University, Hyderabad and E & ICT, NIT Warangal, 23-10-2021.

- **M. Srinivas** delivered an expert lecturer on "Medical Image Processing and Computer vision", Online FDP program, from the Department of CSE, Yeswantrao Chavan College of Engineering (Autonomous), Nagpur and E & ICT, NIT Warangal, 13-11-2021.

- **M. Srinivas** delivered an expert lecturer on "SVM Based Music and Speech Classification" FIve-day AICTE sponsored ATAL FDP program from the Department of Computer Science and Engineering, JNTUK, Kakinada, Andhra Pradesh, 30-11-2021.

- **M. Srinivas** delivered an expert lecturer on "Unsupervised Learning Methods", Online FDP program, from the Department of Applied Sciences, The NorthCap University, Haryana and E & ICT, NIT Warangal, 1-12-2021.

- **M. Srinivas** delivered an expert lecturer on "Deep Learning Models" Five-day AICTE sponsored ATAL FDP program from the Department of Computer Science and Engineering, JNTUA, Anantapuram, Andhra Pradesh, 7-12-2021.

- **M. Srinivas** delivered an expert lecturer on "Business Intelligence & Big Data Analytics" Six-day AICTE sponsored ATAL FDP program from the Department of Computer Science and Engineering, SV College of Engineering (Autonomous), Tirupati, Andhra Pradesh, 10-12-2021.

- **M. Srinivas** delivered an expert lecturer on "Introduction to Data Science and Logistic Regression" Five-day AICTE sponsored ATAL FDP program from the Department of Computer Science and Engineering, Indian Institute of Information Technology, Kota, Jaipur, 13-12-2021.



- **Dr. CHANDRAMOHAN V.P.,** Solar energy based systems – A CFD analysis, 5 Days online FDP on Recent Advancements & Research Opportunities in Energy Sector, Organized by Departments of Electrical & Electronics Engg and Mechanical Engg, 29th Nov-3rd Dec 2021, Aditya Engineering College (A), Aditya Nagar, Surampalem, AP-533437.

- **Dr. Ch. Sampath Kumar** has delivered a talk on "Recent Developments n Heat pipes " in a 2 day webinar on"Thermal Analysis of Heat pipe for energy saving Applications" held on 23- 24 Nov 2021, at V R Siddartha Engineering College ,Vijayawada, Andhra Pradesh

- **Dr. G.Amba Prasad Rao** delivered a talk on Alternate Fuels for IC Engines (online) on the occasion of 75 years celebrations of JNTU Anantapur on December 7, 2021.

- **Dr. D. Vakula**, "Fractal and metamaterial antennas," FDP on "Recent Trends in Antenna Design and Applications", organized by EICT academy, NITW and Vasavi College of Engineering

- **Mohammad Farukh Hashmi**, "Computer vision using AI" inATAL FDP on "Artificial Intelligence in Image Processing", organized by the Indian Institute of Information Technology, Nagpur from 20th to 24th December 2021.

- **Mohammad Farukh Hashmi**, "IoT/Embedded Enabled Health Monitoring and Diagnosis" in one-week online AICTE-ISTE Faculty Refresher on "Embedded Systems, IoT, Pervasive Computing" from 7/12/2021 to 10/12/2021.

- **Mohammad Farukh Hashmi,** "Computer Vison Applications" and "Object Detection" in 10 Day Online FDP on "Recent Trends in Medical Image Processing and Computer vision"Organized by Electronics & ICT Academy, NIT Warangal, in Technical Collaboration with Department of CSE, Yeswantrao Chavan College of Engineering (Autonomous), Nagpurfrom 8th – 17th November, 2021.

- **Mohammad Farukh Hashmi**, "Object Detection" and "Computer Vison Applications" in 10 Day Online FDP on "Computer Vision & Ml Application" Organized by Electronics & ICT Academy, NIT Warangal, in Technical Collaboration with Raghu Institute of Technology (A) Visakhapatnam from 12th- 21thDecember 2021.

- **Dr. Amarjit Kumar**, "Terahertz Antennas", FDP on "Recent Trends in Antenna Design and Applications", organized by EICT academy, NITW and Vasavi College of Engineering

- **Dr. A Prakasa Rao**, "Smart Antenna Design and Optimization Techniques," Vasavi Engg College & NIT W, Dept of ECE-E&ICT, 9th December 2021

- **Dr. A Prakasa Rao**, "Optimization Techniques in 5G," Sri Indu Institute of Engg and Tech., on 11/06/2021

- **Dr. A Prakasa Rao**, "Optimization Techniques in Antenna," SVECW-Bhimavara on 26/08/2020

- **Dr. A Prakasa Rao**, "UHV ," NITW during 07/12/2021-11/12/2021

- **Dr. Ekta Goel**, "Advanced MOS devices for low power applications," Oriental Institute of Science and Technology (OIST) at Bhopal on 12th October 2021

- **Dr. Ekta Goel**, "Advanced nanoscaled MOS devices modeling principles and applications," IIIT Bhagalpur on 16th December 2021

- **Dr. Ekta Goel**, "Design and Simulation of Advanced Nanoscaled CMOS Devices for Low Power Applications," GOVERNMENT ENGINEERING COLLEGE RAIPUR (C.G) during 01 March 2021 to 05 March 2021

- **P. Hari Krishna Prasad**, "UHV," NITW during 7th Dec 2021 to 11th Dec 2021

- **Dr. Vasundhara**, "Recent trends in adaptive signal processing," Vasavi College of Engineering on 9th October, 2021

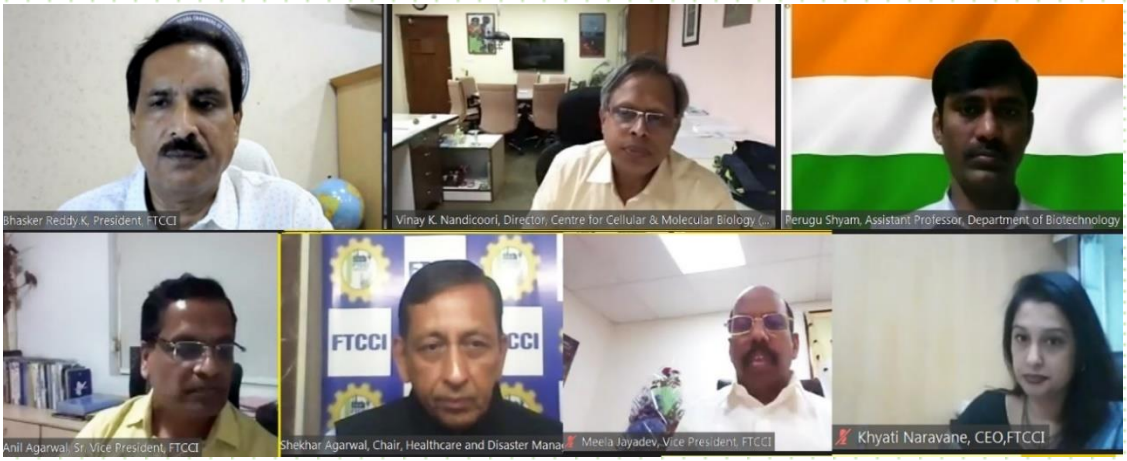
- **Dr. Perugu Shyam**, Assistant Professor, Delivered an Expert Lecture in a Computer application for image analysis and interpretation in "International webinar on Deep learning for detection and management of plant diseases" organized by Jagannath University, Bahadurgarh, India. IFSDAA, AASF, SSARM on 8th – 9th March, 2021.

- **Dr. Perugu Shyam**, Assistant Professor, Handled the two days hands-on session in an "International Conference on Biotechnology and Interdisciplinary Technologies (iCBIT-2021)" Organized by Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana, Hyderabad on 10th & 11th November 2021.

- **Dr. Perugu Shyam**, Assistant Professor, delivered an Expert Lecture in an "Online Faculty Development Programme (FDP) on Recent Trends in Medical Image Processing and Computer vision" organized Department of Information Technology Yeshwantrao Chavan College of Engineering (Autonomous), Nagpur in association with NIT Warangal on 08th – 17th November 2021.

- **Dr. Perugu Shyam**, Assistant Professor, delivered an Expert Lecture in a "National level five day Faculty Development Program on Advancements in Biochemistry and Allied Sciences" Under DBT-Star College Scheme Organized by Department of Biochemistry, Bhavan's Vivekananda College of Science, Humanities & Commerce, Sainikpuri, Secunderabad on 23rd – 27th November 2021

- **Dr. Perugu Shyam**, Assistant Professor, Guest of Honour, Delivered an Expert Lecture in a Webinar on "OMICRON - All You Need To Know" Organized by The Federation of Telangana Chambers of Commerce and Industry (FTCCI), Hyderabad on 15th December 2021.



- **Dr. Perugu Shyam**, Assistant Professor, Guest of Honour, Delivered an Expert Lecture in a Workshop on "Recent advances in research in the area of AI and ML with reference to applications in science and engineering " Organized by Skill Development Centre, Adhikavi Nannaya University, Rajahmundry on 28th December 2021.

- **Dr. G Siva Kumar** delivered a webinar on 09th December 2021 on the topic "Power quality improvement and reactive power control in RESs" in AICTE/ ISTE Refresher Programme (ONLINE) - Micro Grid: Integration and Power Quality Issues - Dec. 7-13, 2021, by Nalla Malla Reddy Engineering College (Autonomous Institution) AICTE Approved, JNTUH Affiliated, NBA Accredited, NAAC 'A' Grade, Divyanagar, Kachivani Singaram, Near Narapally, Ghatkesar Mandal, Medchal District- 500088.

- **Prof. V.T. Somasekhar** delivered a webinar on "Electric Drives for Solar Pump Applications" on 15-12-2021 at the Atal-FDP titled "Power Electronic Converters and Control for Renewable Power and Microgrid Systems" conducted by IIT-Goa.

- **Dr. Altaf Q. H. Badar** delivered a lecture on "Life Cycle Costing" on Nov 29, 2021 at IES College of Technology, Bhopal

- **Prof. P.Ravi kumar** ,as Resource Person delivered a Lecture on "Effective Stress Management" FDP sponsored by AICTE – ATAL Academy Program at NIT, A.P., on 28-10-2021.

- **Prof. P.Ravi kumar** , as Resource Person delivered a Lecture on "Emotional Fitness" during online FDP sponsored by AICTE – ATAL Academy Program at NIT, Warangal, on 06-12-2021.

- **Prof. P.Ravi kumar** , as Resource Person delivered a Lecture on "Fitness and its Importance in Daily Life" FDP sponsored by AICTE – ATAL Academy Program at NIT, A.P., on 08-12-2021.

- **Prof. P.Ravi kumar**, as Resource Person delivered a Lecture on "Fitness – A Way of Life" FDP sponsored by AICTE – ATAL Academy Program at NIT, Warangal, on 16-12-2021.

- **Prof. P.Ravi kumar** , as Resource Person delivered a Lecture on "Fitness through Yogic Practices" Induction Program, NIT, Warangal on 03-12-2021.

- **Prof. P.Ravi kumar**, as Resource Person delivered a Lecture on "Postures and its importance" Induction Program, NIT, Warangal on 07-12-2021.

- **Prof. P.Ravi kumar**, as Resource Person delivered a Lecture on "Stress Management and Emotional Fitness" Induction Program, IIIT, Tiruchirappalli on 11-12-2021.

- **Prof. P.Ravi kumar**, as Resource Person delivered a Lecture on "Importance of Personnel Fitness in Daily Life" Induction Program, NIT, Agartala on 23-12-2021.

- **Dr.P. Prasanth** delivered a talk on "Importance of Sports" for B.P.Ed students of Vagdevi School of Physical Education, Warangal on 22-10-2021.

- **Dr.P. Prasanth** delivered a Lecture on "Importance of sports in College" Induction Program, NIT, Warangal on 08-12-2021.

- **Dr.D. Hari** delivered a talk on "Importance of Fitness and Lifestyle Management" for B.P.Ed students of Vagdevi School of Physical Education, Warangal on 22-10-2021.

- **Dr.D. Hari**, as Resource Person delivered a Lecture on " The importance of Physical Fitness and Wellness" Induction Program, NIT, Warangal on 09-12-2021.

Guest lectures by foreign experts

- Dr. Venkata Ramana Sridhar from Virginia Tech University, Virginia, USA delivered the lecture on "Sustainable Water Management in Mekong Basin" as part of his visit in NITW from 15.10.2021 to 20.10.2021 regarding ongoing SPRC project P270.

  Complete link for Video Lecture for interested readers:
  https://drive.google.com/file/d/1op37ku53S5F8xLY04d5HzlMXr87YfNnD/view?usp=sharing

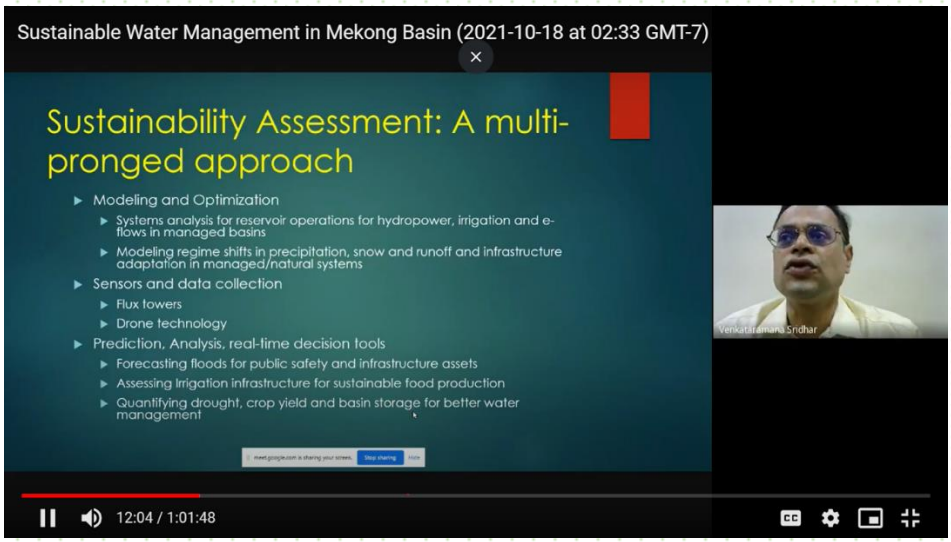


Photo: Screenshot of lecture by Dr. Venkataramana Sridhar, Virginia Tech University, Virginia, USA on October 18, 2021 as part of his visit to NIT Warangal for SPARC project P270



Photo: Interaction Dr. Venkata Ramana Sridhar, Virginia Tech University, Virginia, USA with M.Tech RS&GIS students on October 18, 2021 regarding their research activities during his visit to NIT Warangal for SPARC project P270

Achievements by faculty

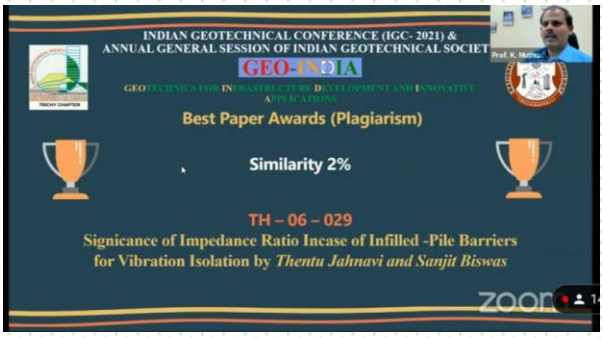
- **S. L. Rath, N. Mandal and M. Tripathy**, Compflu 2021. Title: "How does temperature affect the dynamics of SARS-CoV-2 M proteins? Insights from Molecular Dynamics Simulations" (Oral Presentation), Dec 13-15, 2021.

- A paper entitled "An unsupervised clustering algorithm to cluster the new SARS-CoV-2 virus mutation" by **S.L. Rath**, C. Sinha, S. L.N.P. Kasturi, S. Mohapatra and K. Jain was given the best paper award in the 9th International Conference on innovations in computer science and engineering (ICICSE-2021) held during 3rd-4th Sept, 2021

- Congratulations to **Prof Uma Mahesh** for being nominated as an Internal Member BOG, NIT Warangal.

- Congratulations to **Dr Arif Ali Baig Moghal and Dr. Sanjit Biswas** for their exemplary contribution and participation in the Indian Geotechnical Conference (IGC-2021).





- Congratulations to **Dr. Sridhar Pilli** for Primary Evaluator "Toycathon 2021" Ministry of Education, Ministry of MSME.

- Guest Editor (Jaan H. Pu, Jiaye Li, Alfrendo Satyanaga, Snehasis Kundu, **Manish Pandey**, Prashanth Hanmaiahgari), Special Issue: The Urban Fluvial and Hydro-Environment System, Frontiers in Environmental Science Journal.

- Fox and McDonald's Introduction to Fluid Mechanics. Indian edition is edited by Dr. A. Kundu and **Dr. Manish Pandey** (Wiley)

- **Dr. Venkata Suresh Patnaikuni** joined as Associate Editor of Journal of Sustainable Mining on November 8th 2021. It is an international, scopus indexed quarterly journal published by Central Mining Institute (Główny Instytut Górnictwa) and Elsevier. It covers clean coal technologies, materials engineering, rock mechanics, mining surveying, management of mineral resources, mining technology and techniques, geoengineering, etc. https://jsm.gig.eu/journal-of-sustainable-mining/editorialboard.html

- **Prof. Shirish H. Sonawane**, visited to Gdansk University of Technology, Poland during 28 June 2021 to 31 November 2021 for The Polish National Agency for Academic Exchange (NAWA) Poland for the International Visiting fellowship in the Department Process Engineering and Chemical Technology, Faculty of Chemistry, Gdansk University of Technology, Poland, under the Ulam Program 2020.

- **E. Suresh Babu** acted as Session Chair for the International Conference on Intelligent Systems and Sustainable Computing (ICISSC-2021) in Virtual mode scheduled on September 24-25, 2021 at Malla Reddy University, Hyderabad.

- **E. Suresh Babu** acted as Session Chair for the 2nd International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN-2021), 20-21 August, 2021, Organized by Department of Computer Science and Engineering, Department of Computer Science and Engineering, Jawaharlal Nehru Technological University Kakinada, Andhra Pradesh, India.

- **Prof. Debashis Dutta** has Served as External Member in Faculty Selection Board of SR University, Hasanparty and Conducted Interviews on Oct 1 and Nov 3, 2021.

- **Prof. Debashis Dutta** has Attended DC Meeting(Online) as External Expert of a Research Scholar at SRM Chennai on Oct 27, 2021.

- **Prof. Debashis Dutta** has Conducted PhD Viva-Voce Exam(Online) at Department of Mathematics, Gandhigram Rural Institute-Dindigul, Tamil Nadu on Nov 10, 2021 as an External Examiner.

- Most Distinguished Paper award: IPDIMS on 12th &13th Feb.2021 Best presentation,2021 NIT Rourkela (**G Raghavendra**, M. Sivaji Ganesh, S. Ojha, M. Om Prakash)



- **Prof. R. NARASIMHA RAO**, (#2,51,515) listed in Top 2% Scientists across the world by Stanford University.

- **Dr. Ekta Goel**, Editorial board member of International Refereed Journal Of Engineering Science And Technology (IRJEST)

- **Dr. Ekta Goel**, Session Chair, IEEE CIRH 2021, 16-18 Dec 2021.

- **Dr. Amarjit Kumar**, Technical Program Chair (TPC) Member and Reviewer for IEEE IMaRC 2021 (17 -19 December 2021)

- **Dr. Amarjit Kumar**, Co-Chair, Session-I, MIC/MMIC-II, 17th Dec 2021 in IEEE IMaRC 2021

- **Dr. Mohammad Farukh Hashmi** handled as a Session Chair on 2October 2021 for The 2021 2nd Global Conference for advancement in Technology (GCAT-2021) is technically Co-sponsored by IEEE Bangalore section in Nagarjuna College of Engineering (NCET), Bangalore, Karnataka, India during 1st& 3rd October 2021.

- **G.Amba prasad Rao** attended a webinar on Toyota-Hybrid Electric Vehicles on 20.12.2021.

- **Dr. Perugu Shyam**, Assistant Professor, Chaired the session; Intelligent Interaction and Visualization (Session ID: S2-A) in "The 13th International Conference on Intelligent Human Computer Interaction (IHCI-2021)" organized by Kent State University, Kent, Ohio, 44242, USA, on December 20th - 22nd, 2021.

Achievements by students

- Our Scholar **Ms. Sai Bhavani Gottumukkala** has presented a part of her work titled "Molecular Interaction Map of TGFβ Induced Epithelial to Mesenchymal Transition in Breast Cancer" in 6th Disease Maps Community meeting hosted by the Department of Systems Biology and Bioinformatics, University of Rostock, Germany. DMCM2021 took place online via Zoom.(BT)

- **Ms. Nabanita Mandal**, PhD scholar from the Department of Biotechnology, has given a presentation on her work entitled " Molecular Insights into the Differential Dynamics of SARS-CoV-2 Variants of Concern (VOC)" in the BioGeneis Seminar series organized by Medical University of Białystok, Poland via Google Meet online platform on 8th December, 2021. (BT)

- Research Scholars **Mr Gundapuneni Venkata Rao and Mr Nagireddy Nageswara Reddy** pursuing Ph.D. under the guidance of Dr. K Venkata Reddy, Associate Professor, Department of Civil Engineering are visiting to Virginia Tech University and Texas A & M University, USA for a period of four months (November 01, 2021 to February 28, 2022) as a visiting scholars for carrying out research as part of SPARC project (P270) titled "Real-time Flood Forecasting using SWAT model" sponsored MHRD, GOI.(CE)



Photo: SPARC project co-PI Dr. Venkataramana Sridhar (Middle) and Scholars Gundapuneni Venkata Rao (Left) and Nagireddy Nageswara Reddy (Right) at Virginia Tech, Virginia, USA

- **Mr. Pregnapuram Dilipkumar**, Roll no 701954, Research Scholar in the Chemical Engineering Department, working under the supervision of Prof. Shirish H Sonawane, and Dr. S. Srinath has been selected for the Prestigious Prime Minister Doctoral Fellowship (PM Fellow), Oct 2021. (CHE)

- **Shravani Mangu, Vanessa Suares, Abhishek Gupta , Anjana P Anantharaman** won the "Best Paper Award", entitled "Evaluation of the Physio-Chemical Properties of LaCeO3 Perovskite for the Catalytic Performance" at International Chemical Engineering Conference 2021(100 Glorious Years of Chemical Engineering & Technology) organized by Department of Chemical Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar during September 16 -19, 2021(CHE)

- **Patri Upendra** received S. R. SESHADRI JOSA PUBLICATIONS GRANT of amount $450.00 USD on 13th Dec 2021 for the Manuscript ID: 440757, Supervisor- Dr. Amarjit Kumar

- **Mr. Vadapally Rama Rao** of II MTech., received the second best oral paper presentation Award, for the paper entitled Effect of load on hot impression creep behaviour of AlSi10Mg processed through SLM route" iICOFT2021 organised by NIT Puduchery

Outreach activities

- **P.Rathish Kumar** is Nominated as Member of the B8 Committee-Management, Maintenance and Rehabilitation Committee of the Indian Roads Congress for a Period of Three Years from October 2021

- **P.Rathish Kumar** is Nominated as the Member of the Building Works Committee(BWC) of the School of Planning and Architecture, Vijayawada

- **P.Rathish Kumar** is Nominated as Board of Studies Member of the Department of Civil Engineering, JNTU, Hyderabad from Since October 2021

- **P.Rathish Kumar**, Primary Evaluator in Toycathon 2021, Organised by the Ministry of Education's Innovation Cell, Government of India

- **P.Rathish Kumar**, Participated as sectional committee member of the CED 4 in the Twenty Fourth Meeting of the Building Lime and Gypsum Products of the Bureau of Indian Standards(BIS)

- **E. Suresh Babu** given Expert Lecture on "Cyber Security Issues in Financial Intuitions", Cyber Security Awareness Programme, Organized by State Bank of India, Regional Office, Warangal on 24th November-2021.



- **Dr. Ekta Goel**, Selected as Primary Evaluator for Toycathon 2021 by Ministry of Education

- **Prof. P.Ravi kumar**, Member, Board of Studies in Physical Education, Sri Padmavathi Maha Vishwavidyalaya, Tirupathi, since January 2021.

- **Prof. P.Ravi kumar**, Member, Board of Studies in Physical Education, Palamuru University, Mahaboobnagar, since October 2021.

- **Prof. P.Ravi kumar** ,Subject Expert on the Selection Committee for selecting of faculty in the Physical Education Department in the National Institute of Technology, Andhra Pradesh, 18-12-2021.

- Three Doctorate Degrees awarded under **Prof. P.Ravi kumar's** supervision from Kakatiya University
  i. Dr. Kistu.A : "The Effect of Training Methods on Physical Fitness, Physiological and Psychological variables of Kabaddi and Kho-kho players among Tribal Ashram High School Students of Telengana state."
  ii. Dr.Srinivas T : " An Analytical Study of Yogic Practice and Pranayama on Motor Fitness Components among the Basketball and Handball Players of Kakatiya University".
  iii. Dr.Shashikanth Gopu: "A Critical Study on the Effect of Training and Detraining on Selected Motor Fitness and Physiological Variables among Basketball and Kho-kho Players".

- **Dr.P. Prasanth**, Selection Committee member to conduct Physical Fitness test to select SAS Assistants, Physical Education Department in the National Institute of Technology, Andhra Pradesh, 18-12-2021.

- **Dr.P. Prasanth** was Subject Expert to select Sports Officer (Faculty on contract) at NIT Goa on 28-12-2021.

- **Dr.D. Hari**, Evaluator for M.P.Ed/B.P.Ed subjects of Osmania University and Kakatiya University.

- **Dr.D. Hari**, Chairperson for International Conference on Physical and Exercise science on 05-12-2021.

ఈనాడు
epaper.eenadu.net

ఓబీ డంప్‌యార్డు పటిష్ఠతపై పరీక్షలు


డంప్‌యార్డు పటిష్ఠతను పర్యవేక్షిస్తున్న నిట్ ఇంజినీర్లు

సెంటినరీకాలనీ, న్యూస్‌టుడే: ఓసీపీ-2 ఓవర్‌బర్డెన్(ఓబీ) డంప్ యార్డు పటిష్ఠత నిర్ధారణ(ఫేజ్‌లోడ్ టెస్ట్) పరీక్షలను బుధవారం వరంగల్ నిట్ ఇంజినీర్లు నిర్వహించారు. ఓసీపీ-2లో ప్రస్తుతం 90 మీటర్ల ఎత్తున్న డంప్ యార్డును మరో 30 మీటర్లకు పెంచాలని యాజమాన్యం నిర్ణయించింది. ఈ మేరకు ఇప్పటికే పర్యావరణ శాఖ అనుమతి వచ్చింది. రీసెర్చి అండ్ డెవలప్‌మెంట్(ఆర్‌అండ్‌డీ) విభాగం ఆధ్వర్యంలో నిట్ ఇంజినీరింగ్ విభాగం ఆచార్యులు జీవి రమణ నేతృత్వంలో పరీక్షలు నిర్వహించారు. గతంలో ఫేజ్‌లోడ్ టెస్ట్ నిర్వహణకు రెండు రోజుల సమయం తీసుకోగా, నూతన సాంకేతిక పరిజ్ఞానంతో ప్రస్తుతం గంటల వ్యవధిలోనే పూర్తవడం విశేషం. కార్పొరేట్ ప్లానింగ్ ప్రాజెక్టు జీఎం నాగ భూషణ్‌రెడ్డి, ఎక్స్‌ప్లోరేషన్ జీఎం శ్రీనివాస్, ఆర్టీ-3, ఏపీఏ జీఎంలు మనోహర్, ఎన్‌వీకే శ్రీనివాస్, ప్రాజెక్టు అధికారి నరేందర్ పరీక్షలను పర్యవేక్షించారు. జీఎంలు మాట్లాడుతూ శాస్త్రీయ పద్ధతిలో డంప్‌యార్డు ఎత్తును పెంచడం వల్ల ప్రాజెక్టు విస్తీర్ణ పరిధి పెరగడంతో పర్యావరణ పరిరక్షణకు కావలసిన స్థలం అదనంగా లభిస్తుందన్నారు. ఓసీపీ-1 మేనేజర్ రాధాకృష్ణ, ఏరియా రక్షణ అధికారి జయరాజ్, మేనేజర్ కేవీ రామారావు తదితరులు పాల్గొన్నారు.

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G. V.Ramana
Asst Professor
NITW Civil Engineering Department

Excavator weighing 120 tonnes was used for providing the desired loading. For this, a beam consisting of ISMB 300 sections, stiffeners and flange plates was designed and fabricated in the project workshop and the same was welded on the bottom plate of the excavator with its center matching with the center of gravity of the excavator. Hence, this mobile excavator of 120 tonne weight was considered adequate for providing the ultimate load of 110 tonnes during testing on Spreader Dump Site with plate size of 0.6m X 0.6m RG OC-II Project, Singareni Collieries . Ramps were provided on both sides of the test location for making head room for installation of loading assembly and deformation measuring setup. This mobile loading arrangement was helpful in conducting as many as 6 tests in the shortest possible time of 3 working days. In general, it takes 2 days for one test based on kent ledge arrangement loading with concrete blocks.



Mobile excavator of 120 tonne weight kentledge loading arrangement PLT test setup

PhDs Awarded

- **Mr. R. Kowshik Aravilli** (Full time scholar, Roll number 714042) successfully defended his PhD thesis entitled "Heuristics in role of human Glutathione S-transferase Mu 1 as nitric oxide carrier and its engineered variants for enhanced activity" on 01.10.2021 under the guidance of **Dr. V. Kohila**, Assistant Professor, Department of Biotechnology.

  THESIS ABSTRACT:
  Human Glutathione S-transferases (hGSTs) are a superfamily of enzymes evolved to protect cells against reactive xenobiotics. Specifically, hGSTs catalyze glutathione (GSH) dependent conjugation with wide spectrum of exogenous and endogenous electrophiles. Such conjugation inactivates electrophiles and facilitate their excretion through urine. hGSTs possess diverse functions such as reduction of free radicals, peroxidation, isomerization and biosynthesis of various metabolites. Nitric oxide (NO) is a crucial secondary messenger produced as a metabolic intermediate in various pathways. Strict regulation of NO expression is essential to ensure safety of the cell. Excessive NO production under diseased or stressed conditions may prove lethal to cells. Studies validate the presence of primordial GSTs as an apparent defense mechanism against various stress conditions. GSTs were not identified as a viable actor in the complex mechanisms of NO maintenance until late 90s. Discovery of hGSTP1's role as NO carrier forms the premise of this research work.
  The supportive role of hGSTM1 as NO carrier has been studied. Wild type (WT) hGSTM1 was cloned and overexpressed in a bacterial system. It was subsequently

purified close to homogeneity using affinity chromatography. Catalytic activity and binding efficiency of the WT hGSTM1 towards CDNB and NO were determined. NO assay results have identified hGSTM1 as a probable NO carrier. hGSTM1 polymorphisms have resulted in a decreased catalytic efficiency that culminate with diseased condition. Variants of hGSTM1 with heightened catalytic activity compared to WT hGSTM1 have been explored. This is accomplished by in silico site directed mutagenesis (SDM) that determines the variants of hGSTM1with higher activity as compared to WT hGSTM1. Mutants were generated using in vitro SDM. In silico studies revealed two potent mutants E129K and Q109K with enhanced catalytic efficacy. In silico results were validated in vitro. Catalytic activity and binding efficiency of purified mutant proteins towards CDNB and NO were determined. Notably, in vitro studies corroborated in silico results.
The hypothesis that hGSTM1 as NO carrier has been empirically proved. This pioneering work has unveiled the interactive correlation of hGSTM1 and NO. The mutants obtained through computational studies were validated in vitro. The designed novel mutants E129K and Q109K were found to possess heightened catalytic efficiency as compared to that of WT hGSTM1.

- Name of the student: **Narsimha. P**
  Title of thesis: Development of Nanostructured Electrodes and their applications in Supercapacitors.
  Supervisors: **Prof. Shirish H. Sonawane (Guide) & Prof. Anand Kishore Kola (Co- Guide)**
  Abstract: This thesis work deals with development of novel nanocomposite materials for supercapacitors. Conducting polymer, metal oxide and carbon based composite materials have proved that high power density, long life cycle, fast charge discharge rates and high efficiency for supercapacitors. Nanostructured materials have led to the development of new supercapacitor technologies. In recent years, conducting polymers based materials are attractive to researchers in various areas due to their wide potential applications especially in energy storage and conversion. Nanotechnology is proved to be the key technology of the 21st century. In engineering of functional materials at the molecular levels, it has been covering a broad range of topics controlling and exploiting the modern system of structures in various dimensions. The prime objective of this research is to explore the neoteric advancements in the development of nanostructured electrode materials and high performance supercapacitors.

- Name of the Student: **Mr. K. Naresh** (Roll No. 716184)
  Title of Ph.D Thesis: Numerical analysis of natural convective flow past vertical cylinder and inside the cavity
  Supervisor: **Dr. Hari Ponnamma Rani**
  Date of Ph.D. Degree Awarded: - 20-12-2021

- Name of the Student: **Mr. Abhinava Srivastav** (Roll No. 718064),
  Title of the Ph.D. Thesis: Power-Law Fluid Flows over a Truncated Cone in a Non-Darcy Porous.
  Supervisor: **Dr. Ch. Ramreddy**
  Date of Ph.D. Degree Awarded: 22-12-2021

MoUs

- MoU between School of Planning and Architecture, Vijayawada and National Institute of Technology Warangal in terms of Bilateral Exchange in terms of Academic and Research Contributions, Design Consultancy and Third Party Quality Control, signed on 11th November 2021.

- MoU between Center for Green Revolution and Dept of Civil Engineering, NITW for a Center of Excellence for Sustainable Technology and development of sustainability based curriculum signed on 20th December 2021.



- The Department of Humanities and Social Sciences has submitted a proposal to enter into an MoU with Centre for Consultancy and Language Training, English and Foreign Languages University, Hyderabad. The main objective of the MoU is to seek and exchange knowledge-support services with EFLU in teaching and capacity-building in the domains of
  a) Exchange of Faculty Expertise
  b) Exchange programmes in Research in English Language, Literature, Phonetics and Linguistics and Foreign Languages.
  c) Career oriented training for students
  d) Offering foreign languages in JAPANESE, SPANISH, ARABIC, GERMAN and FRENCH.
  e) Organization and participation in seminars, symposia, short-term academic programs and academic meetings. etc.

- Department of Electrical Engineering have signed an MoU with POSCO



New major equipment and software



Compression Testing Machine (300 Ton), Structures Laboratory, CED

Alumni Achievements



Avinash Mishra
Adviser

D.O. No. 25(8)/2021-WR Dated: 18.11.2021

Dear Dr. Goyal,

As you are aware NITI Aayog has been established on the mandate of competitive and cooperative federalism and consultation with the academia, relevant field experts including civil societies and State Governments. The NITI Aayog undertakes time to time consultation process with experts and stakeholders for developing the path of sustainable development matching with the global technology and knowhow.

I am pleased to inform that you have been chosen as a part of NITI Aayog consultation group from academia keeping in view your area of research on water management, climate change, flood modeling, water supply, water audit water scarcity and drought.

The consultation process is in the national interest and on pro bono basis.

Regards,

Yours sincerely,

(Avinash Mishra)

Dr. Manish Kumar Goyal
Associate Professor
Dean, Infrastructure Development
Room 209, Pod 1A,
Indian Institute of Technology, Indore (IIT, Indore)
Khandwa Road, Simrol, Indore-453 552, India
Phone: +91 7324-306697
Email: mkgoyal@iiti.ac.in
Alternate Email: vipmkgoyal@gmail.com

Dr Manish Goyal, Associate Prof., IIT Indore, and BTech, Civil Engineering (2004) alumnus, has been selected as part of NITI Ayog consultation group.

Student Activities

The Team NIT_Warangal, comprising **17 students from biotechnology** and their allied branches has won the silver medal in iGEM (International Genetically Engineered Machine) Competition 2021 (https://2021.igem.org/Team:NIT_Warangal) an annual, worldwide synthetic biology competition https://jamboree.igem.org/results/medals).
It is the first NIT team to enter this competition. Also the same team has participated in the Global Open Genetic Engineering Competition and Secured silver medal. They were also awarded a Quorums choice award . The students worked on the project entitled degossypolization of cotton seeds using enzymatic methods under the supervision of **Dr Ashish A Prabhu**, Assistant Professor, Department of Biotechnology.





- Nature club conducted competitions at Markazi high school on Clean environment





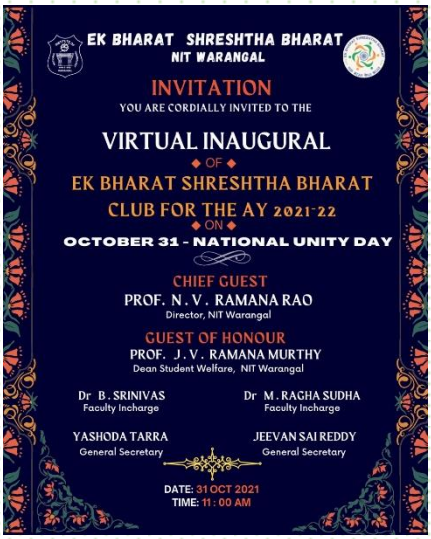
- Diwali Celebrations

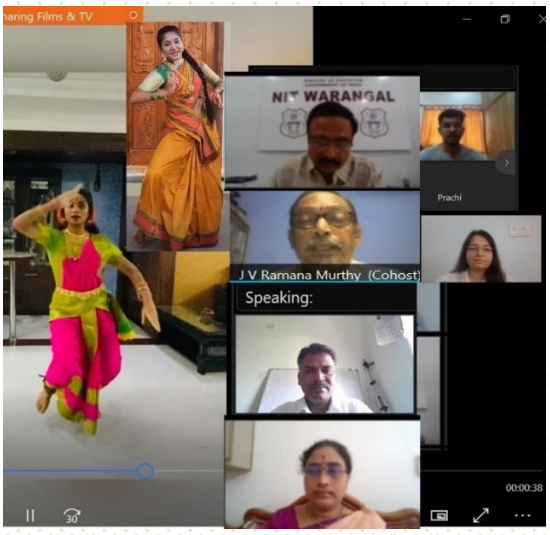


నిట్‌లో దీపోత్సవం

విద్యార్థులు, అధ్యాపకులతో డైరెక్టర్ ఆచార్య ఎన్‌వి.రమణారావు

నిట్ క్యాంపస్, న్యూస్‌టుడే : వరంగల్ నిట్ కళాశాలలో బుధవారం ప్రధాన పరిపాలన భవనం ముందు నేచర్ క్లబ్ ఆధ్వర్యంలో దీపోత్సవం నిర్వహించారు. నిట్ డైరెక్టర్ ఆచార్య ఎన్‌వి.రమణా రావు జ్యోతి వెలిగించి మాట్లాడారు. విద్యార్థులకు, అధ్యాపకులకు, కళాశాల సిబ్బందికి దీపావళి శుభాకాంక్షలు తెలిపారు. నిట్ రిజిస్ట్రార్ ఎస్.గోవర్ధన్‌రావు, విద్యార్థి వ్యవహారాల విభాగం డీన్ ఆచార్య బంగారుబాబు, నేచర్ క్లబ్ ఫ్యాకల్టీ ఇన్‌చార్జి డాక్టర్ పి.శ్యామ్, తదితర విద్యార్థులున్నారు.





NATIONAL SERVICE SCHEME (NSS)

Event: COMMUNAL HARMONY CAMPAIGN WEEK

National Service Scheme (NSS) NIT Warangal did its part to promote Communal Harmony in society. Communal harmony week is celebrated by NSS NITW from 19th November to 25th November.

As a part of this, a rally, Communal Harmony Campaign took place from NITW main gate to Collector Office in which NSS volunteers, Shri. S. Goverdhan Rao, Registrar, Prof. J. V. Ramana Murthy, Dean Student Welfare, and other faculty members have participated very actively.

Communal Harmony Campaign Rally Photos:



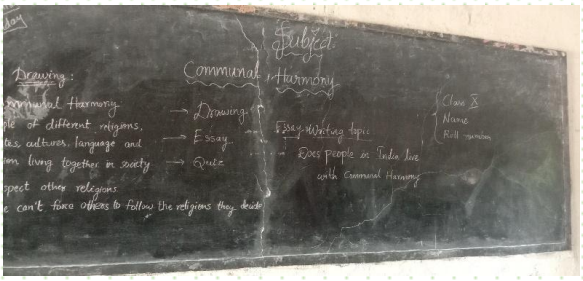






And on 21st November, 10 members of NSS NITW visited Government High School (GHS) Somidi, Warangal, and they taught the concept of Communal Harmony to school students and conducted Drawing, Essay writing and Quiz competitions. Later and certificates were distributed by Dean Student welfare Prof. J. V. Ramana Murthy to the winners of competitions and pens were given to participants as encouragement.

"Communal Harmony" Competitions to Government High School (GHS), Somidi students' photos

















Published in online news:

https://telanganatoday.com/nit-warangal-students-organise-communal-harmony-campaign

Newspaper clippings:



మత సామరస్యాన్ని కాపాడాలి

కాజీపేట అర్బన్: సమాజంలోని ప్రతి ఒక్కరూ మత సామరస్యాన్ని కాపాడాలని నిట్ రిజిస్ట్రార్ ఎస్.గోవర్ధన్‌రావు సూచించారు. కమ్యునల్ హార్మోనీ వారోత్సవాల్లో భాగంగా కాజీపేటలోని నేషనల్ ఇన్‌స్టిట్యూట్ ఆఫ్ టెక్నాలజీ (నిట్)లోని ఎన్ఎస్ఎస్, స్టూడెంట్ కౌన్సిల్ సంయుక్తంగా మత సామరస్యంపై అవగాహన కల్పించేందుకు నిట్ నుంచి జిల్లా కలెక్టరేట్ వరకు ప్లకార్డులు ప్రదర్శిస్తూ ఆదివారం ర్యాలీ నిర్వహించారు. కుల, మత, జాతి భేదాలు లేకుండా సోదరభావంతో గౌరవంగా జీవించేందుకు ప్రతి ఏడాది కమ్యునల్ హార్మోనీ వారోత్సవాలు నిర్వహిస్తున్నట్లు గోవర్ధన్‌రావు వివరించారు. కార్యక్రమంలో డీన్ జేవీ.రమణమూర్తి, ప్రొఫెసర్లు, విద్యార్థులు తదితరులు పాల్గొన్నారు.

మత సామరస్య ప్రచారంలో నిట్ విద్యార్థులు



మత సామరస్యం కోరుతూ ర్యాలీ

నిట్ క్యాంపస్, న్యూస్‌టుడే : వరంగల్ నిట్ విద్యార్థులు ఆదివారం మతసామరస్యం కోరుతూ కళాశాల ప్రధాన ద్వారం నుంచి హనుమకొండ కలెక్టరేట్ వరకు ర్యాలీ నిర్వహించారు. ఏటా కమ్యునల్ హార్మోనీ వారోత్సవాలు నిర్వహిస్తున్నారు. అందులో భాగంగా ఈఏడాది నిట్ ఎన్ఎస్ఎస్, స్టూడెంట్ కౌన్సిల్ సహకారంతో ర్యాలీ తీశారు. నిట్ రిజిస్ట్రార్ గోవర్ధన్‌రావు, విద్యార్థి వ్యవహారాల డీన్ ఆచార్య వి.రమణమూర్తి, అధ్యాపకులు, విద్యార్థులున్నారు.

ప్రదర్శనలో పాల్గొన్న విద్యార్థులు

Event: LANTERN NIGHT

On the occasion of Diwali #NSS_NITW organized LANTERN NIGHT to encourage the college peeps to celebrate Diwali with this fun and frolic event. Students lighted lanterns at 07:30 pm in the Time Square and celebrated Diwali.









Event: Clean India

CLEAN INDIA, a daylong event that came up with the collaboration of the National Service Scheme (NSS) and Unnat Bharat Abhiyan, was successfully implemented by the team NSS-National Institute of Technology Warangal in the Janakipuram village, Dharmasagar Mandal, Warangal on 30-10-2021.

The event was kick-started with a rally promoting the importance of Swachh Bharat, literacy, a healthy environment, and following Covid prevention measures. Simultaneously, the team NSS carried out the task of mask and sanitizer distribution to the people in the village alongside making them aware of the current situations.

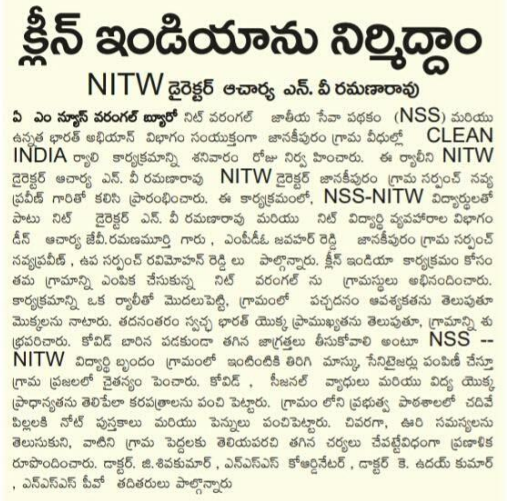
Then, the team NSS had continued the program with the plantation, where Prof. N.V Ramana Rao, NIT Warangal Director, Prof. J.V Ramana Murthy, Dean Student Welfare, and, Janakipuram Sarpanch took a lead.

The team NSS-NITW took the event further by distributing books and pens to the students of Janakipuram primary school and having an interactive session with students and providing them insightful thoughts.

It's followed by Swachh Bharat in the School premises, in which everyone took active participation.

Published in online news:

https://telanganatoday.com/clean-india-programme-organised-in-warangal



క్లీన్ ఇండియాను నిర్మిద్దాం

NITW డైరెక్టర్ ఆచార్య ఎన్. వీ రమణారావు

ఏ ఎం న్యూస్ వరంగల్ బ్యూరో నిట్ వరంగల్ జాతీయ సేవా పథకం (NSS) మరియు ఉన్నత భారత్ అభియాన్ విభాగం సంయుక్తంగా జానకీపురం గ్రామ వీధుల్లో CLEAN INDIA ర్యాలి కార్యక్రమాన్ని శనివారం రోజు నిర్వ హించారు. ఈ ర్యాలీని NITW డైరెక్టర్ ఆచార్య ఎన్. వీ రమణారావు NITW డైరెక్టర్ జానకీపురం గ్రామ సర్పంచ్ నవ్య ప్రవీణ్ గారితో కలిసి ప్రారంభించారు. ఈ కార్యక్రమంలో, NSS-NITW విద్యార్థులతో పాటు నిట్ డైరెక్టర్ ఎన్. వీ రమణారావు మరియు నిట్ విద్యార్థి వ్యవహారాల విభాగం డీన్ ఆచార్య జేవీ.రమణమూర్తి గారు , ఎంపీడీఓ జవహర్ రెడ్డి జానకీపురం గ్రామ సర్పంచ్ నవ్యప్రవీణ్ , ఉప సర్పంచ్ రవిమోహన్ రెడ్డి లు పాల్గొన్నారు. క్లీన్ ఇండియా కార్యక్రమం కోసం తమ గ్రామాన్ని ఎంపిక చేసుకున్న నిట్ వరంగల్ ను గ్రామస్థులు అభినందించారు. కార్యక్రమాన్ని ఒక ర్యాలీతో మొదలుపెట్టి, గ్రామంలో పచ్చదనం ఆవశ్యకతను తెలుపుతూ మొక్కలను నాటారు. తదనంతరం స్వచ్ఛ భారత్ యొక్క ప్రాముఖ్యతను తెలుపుతూ, గ్రామాన్ని శుభ్రపరిచారు. కోవిడ్ బారిన పడకుండా తగిన జాగ్రత్తలు తీసుకోవాలి అంటూ NSS -- NITW విద్యార్థి బృందం గ్రామంలో ఇంటింటికి తిరిగి మాస్కు, సేనిటైజర్లు పంపిణీ చేస్తూ గ్రామ ప్రజలలో నైతన్యం పెంచారు. కోవిడ్ , సీజనల్ వ్యాధులు మరియు విద్య యొక్క ప్రాధాన్యతను తెలిపేలా కరపత్రాలను పంచి పెట్టారు. గ్రామం లోని ప్రభుత్వ పాఠశాలలో చదివే పిల్లలకి నోట్ పుస్తకాలు మరియు పెన్నులు పంచిపెట్టారు. చివరగా, ఊరి సమస్యలను తెలుసుకుని, వాటిని గ్రామ పెద్దలకు తెలియపరచి తగిన చర్యలు చేపట్టేవిధంగా ప్రణాళిక రూపొందించారు. డాక్టర్. జి.శివకుమార్ , ఎన్ఎస్ఎస్ కోఆర్డినేటర్ , డాక్టర్ కె. ఉదయ్ కుమార్ , ఎన్ఎస్ఎస్ పీవో తదితరులు పాల్గొన్నారు

పచ్చదనం, పరిశుభ్రత పాటించాలి

ధర్మసాగర్: గ్రామంలో పచ్చదనంతో పాటు పరిశుభ్రత పాటించాలని నిట్ డైరెక్టర్ ప్రొఫెసర్ ఎన్వీ రమణారావు సూచించారు. నిట్ జాతీయ సేవా పథకం(ఎన్ఎస్ఎస్) ఉన్నత భారత్ అభియాన్ విభాగం ఆధ్వర్యంలో మండలంలోని జానకీపురంలో శనివారం క్లీన్ ఇండియా ర్యాలీ నిర్వహించారు. ఈ ర్యాలీని నిట్ డైరెక్టర్ ప్రారంభి మాట్లాడారు. క్లీన్ ఇండియా కార్యక్రమం కోసం జానకిపురం గ్రామాన్ని ఎంపిక చేసుకున్న నిట్ విద్యార్థులను అభినందించారు. అనంతరం మొక్కలు నాటారు. స్వచ్ఛభారత్ ప్రాముఖ్యతను తెలుపుతూ విద్యార్థులు గ్రామాన్ని శుభ్రం చేశారు. కోవిడ్ బారిన పడకుండా ఉండేందుకు జాగ్రత్తలు తీసుకోవాలని ప్రజలకు సూచిస్తూ ఇంటింటికి మాస్కులు, శానిటైజర్లు పంపిణీ చేశారు. కోవిడ్, సీజనల్ వ్యాధుల గురించి తెలిపే కరపత్రాలు పంపిణీ చేశారు. అనంతరం ప్రభుత్వ పాఠశాలల విద్యార్థులకు నోట్ పుస్తకాలు పంపిణీ చేశారు. కార్యక్రమంలో ఎంపీడీఓ జవహర్‌రెడ్డి, స్థానిక సర్పంచ్ నవ్యప్రవీన్, ఉప సర్పంచ్ రవిమోహన్‌రెడ్డి, డాక్టర్ జి.శివకుమార్, ఎన్ఎస్ఎస్ కోఆర్డినేటర్ డాక్టర్ ఉదయ్‌కుమార్, పీఓ తదితరులు పాల్గొన్నారు.

CHANGE OF NAME

I **BOLINENI RENUKA** , Residing at # 2-10-288 to 291/E/405, GMR Brindhavan Apartments, Waddepelli, Hanamkonda Dist-506370. Telangana State, India and My name has been changed to **BOLINENI RENUKA DEVI** (New name) Previously Called **BOLINENI RENUKA.** (Old Name).



జానకీపురంలో క్లీన్ ఇండియా ర్యాలీ

నిట్ క్యాంపస్, న్యూస్‌టుడే : వరంగల్ నిట్ జాతీయ సేవా పథకం, ఉన్నత భారత్ అభియాన్ విభాగాలు సంయుక్తంగా శనివారం దర్మసాగర్ మండలం జానకీపురం గ్రామంలో క్లీన్ ఇండియా ర్యాలీ చేపట్టారు. నిట్ డైరెక్టర్ ఆచార్య ఎన్వీ.రమణారావు ర్యాలీని ప్రారంభించి మాట్లాడారు. పల్లెల్లో పరిసరాలు పరిశుభ్రత పాటిస్తే ప్రజలందరూ ఆరోగ్యంగా ఉంటారన్నారు. అనంతరం పచ్చదనం ఆవశ్యకతను తెలుపుతూ మొక్కలు నాటారు. స్వచ్ఛభారత్ ప్రాముఖ్యం వివరిస్తూ మొక్కలు నాటారు. కొవిడ్ బారిన పడకుండా సూచనలిస్తూ మాస్కులు, శానిటైజర్ల వితరణ చేశారు. సీజనల్ వ్యాధులపై అవగాహన కల్పిస్తూ కరపత్రాలు పంపిణీ చేశారు. క్లీన్ ఇండియా కార్యక్రమంలో భాగంగా తమ గ్రామాన్ని ఎంపిక చేసుకున్నందుకు జానకీపురం వాసులు కృతజ్ఞతలు తెలిపారు. ప్రభుత్వ పాఠశాలల విద్యార్థులకు రాత పుస్తకాలు, పెన్నులు అందించారు. గ్రామ సమస్యలను తెలుసుకుని ప్రణాళిక రూపొందించారు.

మొక్క నాటిన అనంతరం గ్రామస్థులతో నిట్ డైరెక్టర్ ఆచార్య ఎన్వీ.రమణారావు

కార్యక్రమంలో సర్పంచి నవ్య, ఉపసర్పంచి రవిమోహన్ రెడ్డి, నిట్ విద్యార్థి వ్యవహారాల విభాగం డీన్ జేవీ.రమణమూర్తి, ఎంపీడీఓ జవహర్‌రెడ్డి, డాక్టర్ శివకుమార్, ఎన్ఎస్ఎస్ కోఆర్డినేటర్ డాక్టర్ ఉదయ్‌కుమార్ తదితరులు పాల్గొన్నారు.



Clean India programme in Warangal

STATE BUREAU

Warangal

The NSS NIT Warangal unit and the Unnat Bharat Abhiyan have jointly organised the Clean India event by taking out a procession in the streets of Janakipuram village on Saturday. NIT Director Prof NV Ramana Rao and village Sarpanch Navya flagged off the rally at village in Dharmasagar mandal of Hanamkonda. Villagers appreciated and congratulated the NIT for choosing their village for the Clean India programme. Students distributed masks and sanitisers to the locals.

గ్రామాలు పచ్చదనంతో నిండి ఉండాలి.

-నిట్ డైరెక్టర్ ఎన్వి రమణారావు

కాజీపేట అక్టోబర్ 30(వుదయం ప్రతినిధి) :గ్రామాలు పచ్చదనంతో నిండి ఉండాలని నిట్ డైరెక్టర్ ఎన్వి రమణారావు అన్నారు. నిట్ వరంగల్ జాతీయ సేవా పథకం, ఉన్నత భారత్ అభియాన్ విభాగం ఆధ్వర్యంలో చేపట్టిన క్లీన్ ఇండియా కార్యక్రమంలో భాగంగా ధర్మసాగర్ మండలం జానకీపురం గ్రామాన్ని ఎంచుకొని గ్రామాల్లోని వీధుల్లో క్లీన్ ఇండియా ర్యాలి కార్యక్రమాన్ని శనివారం నిర్వహించారు.ఈ ర్యాలీని నిట్ డైరెక్టర్ ఆచార్య ఎన్వీ రమణారావు, జానకీపురం గ్రామ సర్పంచ్ నవ్య ప్రవీణ్ కలిసి ప్రారంభించారు.ఈ కార్యక్రమాన్ని ఒక ర్యాలీతో మొదలుపెట్టి, గ్రామంలో పచ్చదనం ఆవశ్యకతను తెలుపుతూ మొక్కలను నాటారు. తదనంతరం స్వచ్ఛ భారత్ యొక్క ప్రాముఖ్యతను తెలుపుతూ, గ్రామాన్ని శుభ్రపరిచారు. కోవిడ్ బారిన పడకుండా తగిన జాగ్రత్తలు తీసుకోవాలంటూ ఎన్ఎస్ఎస్ నిట్ విద్యార్థి బృందం గ్రామంలో ఇంటింటికి తిరిగి మాస్కు, సేనిటైజర్లు పంపిణీ చేస్తూ గ్రామ ప్రజలలో చైతన్యం పెంచారు. కోవిడ్ , సీజనల్ వ్యాధులు మరియు విద్య యొక్క ప్రాధాన్యతను తెలిపేలా కరపత్రాలను పంచి పెట్టారు. గ్రామంలోని ప్రభుత్వ పాఠశాలలో చదివే పిల్లలకి నోట్ పుస్తకాలు మరియు పెన్నులు పంచిపెట్టారు. చివరగా, ఊరి సమస్యలను తెలుసుకుని, వాటిని గ్రామ పెద్దలకు తెలియపరచి తగిన చర్యలు చేపట్టే విధంగా వ్రణాళిక రూపొందించారు. క్లీన్ ఇండియా కార్యక్రమం కోసం తమ గ్రామాన్ని ఎంపిక చేసుకున్న నిట్ వరంగల్ ను గ్రామస్థులు అభినందించారు. ఈ కార్యక్రమంలో ఎన్ఎస్ఎస్ విద్యార్థులతో పాటు నిట్ విద్యార్థి వ్యవహారాల విభాగం డీన్ ఆచార్య జేవీ.రమణమూర్తి, ఎంపీడీఓ జవహర్ రెడ్డి, జానకీపురం ఉప సర్పంచ్ రవిమోహన్ రెడ్డి, డాక్టర్ శివకుమార్, ఎన్ఎస్ఎస్ కోఆర్డినేటర్ డాక్టర్ ఉదయ్ కుమార్, ఎన్ఎస్ఎస్ పీవో, గ్రామస్తులు తదితరులు పాల్గొన్నారు.



Some of the photographs of the events:












Clean India















Electrical Engineering Association

Placement Experience series:

Every student in the college is curious and constantly trying to know about the placement of their seniors. To guide such students, another series from EEA, a post every week is being released on the online platforms making it really a magazine but only with the experience of our placed seniors and alumni about the companies and their journey before and through.

Every weekend two companies each with different profiles from core, software, hardware are being covered, a little bit of knowledge before the experience always comes in handy. It is released every Thursday. The extensive information about the placement drive is helping juniors to prepare for their interviews with care.

First week's post on 23rd september 2021 : Bharath(GE Healthcare) – Core, Avikshith Irukulla(Oracle)- Software

Second week's post on 1st October 2021 : HarshaVardhan Nune(Qualcomm), Amit Jakhar(Amazon)





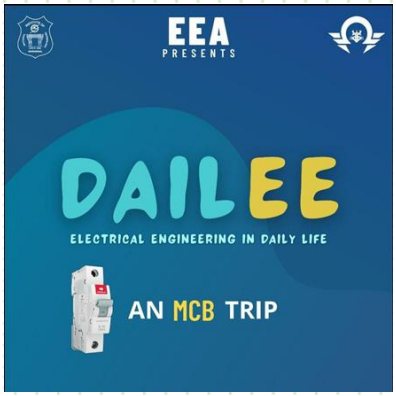




The new flash news letter released on October 19th gained an electric response from the students motivating us to work harder. The magazine got a great topic to talk about "How do we charge 72% in 10 minutes". This not only gathered attention from our branch, but also from every other branch.



DAILEE:



On 26th October, DAILEE magazine is released on the topic of MCB trip. Why does an MCB trip, its working principle and what to do if an MCB has tripped. It is a very informative magazine helping students to be careful in their daily lives with electrical fuses and MCBs.

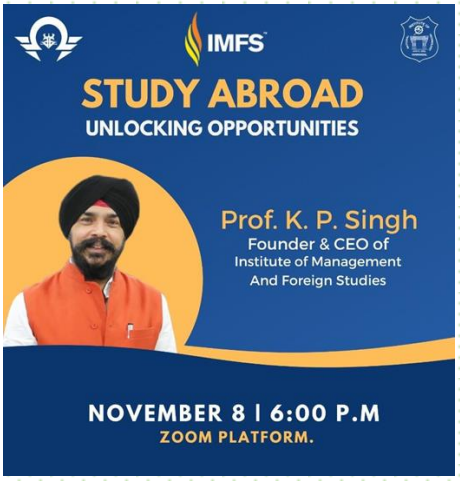
Placement Experience series:

The 5th post of placement and internship experience series and first internship experience post was made and released on November 4th by EEA. It described in detail about Mr. Sudheer Reddy's experience on cracking the interview of Micron, which recruits in hardware domain. The attributed suggestions and also the resources he used while preparation is adding a great deal of value in juniors' interview preparations.



Study abroad interaction:

Every year, there is a significant percentage of students aspiring to continue their higher studies abroad after their bachelor degree here in our institution. The process of applying for the university and getting a scholarship is alien to most of the students and parents are always petrified with its complexity. EEA, as the helping hand, conducted the session on November 8th, inviting Mr.K P Singh who established The 'Institute of Management and Foreign Studies (IMFS). The insightful interaction helped students clear their confusion regarding the preparation for GRE ,GMAT ,IELTS , TOFEL, etc. Many thoughtful pieces of advice are given to students with which they can be equipped perfectly for their incredible voyage in the coming years.



FLASH:

The latest flash newsletter was released on November 16th. The newsletter talked extensively about Superconductors and its applications in the industrial and scientific world. The science behind superconductors enthralled every student and got them excited to know more about the phenomena. EEA is working to produce more such enchanting topics to discuss about and enlighten curious students.



EK BHARAT-SHRESHTHA BHARAT INAUGURATION AND NATIONAL UNITY CELEBRATONS AT NIT WARANGAL

On the occupying day of birth anniversary (31.12.2021) of Sardhar Vallabhai Patel, we are celebratin our National Unity Day. The club Ek Bharat-Shreshtha Bharat (EBSB) of National Institute of Technology Warangal celebrated National Unity Day (Raashtriya Ekta Diwas) by conducting the virtual inaugural meeting. The chief guest was Prof. N. V. Ramana Rao, Director NITW and Guest of honour Prof. J. V. Ramana Murthy, Dean Student Welfare, NITW, Registrar Sri. Goverdhan Rao, and Faculty in-charges of Ek bharat-shreshtha bharat Dr. B. Srinivas and Dr. M. Ragha Sudha have started meeting. During the event the Director Prof. N. V. Ramana Rao addressed the students and spoke about the importance of EBSB ad unity in Telangana and India. Also Prof. Ramana Rao has carried out the National Unity Day Pledge with the students and faculty members of NITW. Dean, Student Welfare Prof J. V. Ramana Murthy explained about the EBSB as the program consists of cultural, language, sports, cuisine exchange programs etc. and the exchange programs with Haryana state it is the paired state of Telangana. The faculty in-charges of EBSB Dr. B. Srinivas and Dr. M. Ragha Sudha have given overview about the yearlong events under EBSB. Classical dances and patriotic songs by the students have played in the event. A Video prepared by the EBSB students showing richness of Telangana has played during the event. The general secretaries of EBSB T. Yashoda and Jeevan Sai Reddy and additional, joint secretaries, and executive members and all the NITW students have participated in the event.

IEEE Student Branch at NIT Warangal:

IEEE Student Branch at NIT Warangal provides an opportunity to IEEE Student members to begin networking in their areas of interest and future profession. With the evolving dynamics of skill demands of today's Industry, there is a strong need to upskill the students to make them job ready. The IEEE Student Branch at NIT Warangal will explore all avenues at its command and continue its efforts in empowering the students with employable skills. The IEEE Student Branch at NIT Warangal has organized the following webinars, workshop and online courses due to COVID19 for enabling the students to acquire Industry-ready skills for aligning with the Industry pre-requisites.

S.No.	Topic	Name of the Expert	Date(s) of the Event	Under the aegis of
1	Webinar on Cyber-Physical Systems	Dr Pavithra Prabhakar, Professor of Computer Science and Peggy and Gary Edwards Chair in Engineering at Kansas State University	June 25, 2021	IEEE Student Branch as a part of Webinar Week
2	Webinar on Introduction to Hacking and Fuzzing	Ms. Rachna Shriwas, Cybersecurity Specialist at Robert Bosch, Bangalore	June 26, 2021	IEEE Student Branch as a part of Webinar Week
3	Webinar on Introduction to Block Chain and Future Prospects	Mr. Rohas Nagpal, Chief Blockchain Architect at Future Money Wallet	June 28, 2021	IEEE Student Branch as a part of Webinar Week
4	Webinar on Introduction to Neuromorphic Engineering	Dr Rajkumar Kubendran, Assistant Professor, Department of Electrical and Computer Engineering University of Pittsburgh	June 29, 2021	IEEE Student Branch as a part of Webinar Week
5	Webinar on AI in Medicine	Dr Ketan Bacchuwar, Co-Founder and CTO Crossscope	June 30, 2021	IEEE Student Branch as a part of Webinar Week

6	Webinar on Python Programming Basics	Mr Ch Bhanu Prasad, Research Scholar in EED, NIT Warangal	July 21-23, 2021	IEEE Student Branch
7	5-day MATLAB Workshop	Team from Mathworks, Bangalore	July 26-31, 2021	IEEE Student Branch
8	Webinar on Research Paper Writing	Dr D Haranath, Associate Professor, Department of Physics, NIT Warangal	August 13, 2021	IEEE Student Branch
9	Webinar on Energy Sources in Electric Vehicles and Hybrid EVs	Mr. Kislay Pankaj, CTO, Micelio	August 14, 2021	IEEE Power and Energy Society Student Branch Chapter
10	Webinar on Optimal Operation of Power System with Renewable Energy Sources and Electric Vehicles	Dr. Surender Reddy Salkuti, Associate Professor, Department of Rail Road & Electrical Engineering, Woosong Universtiy, Daejeon, South Korea – 34606	August 28, 2021	IEEE Power and Energy Society Student Branch Chapter
11	Webinar on Advanced Resume Building Workshop	Mr. Ankit Kumar, Founder, Hunt for Success	September 05, 2021	IEEE Computer Society Student Branch Chapter
12	Webinar on Bring Your Dreams to Life	Ms. Sunita Nadampalli, Software Development Manager, Amazon AWS	September 11, 2021	IEEE Power and Energy Society Student Branch Chapter and IEEE Women in Engineering Affinity Group
13	Weekend online course on Machine Learning and Energy Analytics	Dr Lakshminarayana Kompella, Assistant Professor in SOM, NIT Warangal	12 weeks for 36 hours between September 12, 2021 and December 19, 2021	IEEE Student Branch

14	Webinar on 'IEEE Student Membership Benefits'	Dr. Sandeep Chaturvedi, Chair, MTTS/APS/EMCS Joint Chapter, IEEE Hyderabad Section	September 12, 2021	IEEE Microwave Theory & Techniques Student Branch Chapter
15	Webinar on Power World Simulator – An Introductory Session	Dr Altaf Q H Badar, Assistant Professor, EED, NIT Warangal	September 18, 2021	IEEE Power and Energy Society Student Branch Chapter
16	Webinar on Wide Input DC-DC Converters for Solid State Transformers	Mr. Pramod Apte, Research Associate, Institute for Drive Systems and Power Electronics (IAL), Leibniz University, Hannover, Germany	September 25, 2021	IEEE Power and Energy Society Student Branch Chapter
17	Weekend online course on Hands on Training on Machine Learning	Dr. Venkateswara Rao Kagita, Assistant Professor in CSED, NIT Warangal	10 weeks for 30 hours Commenced on October 16, 2021	IEEE Computer Society Student Branch Chapter
18	Webinar on Multilevel Inverters and PWM Schemes	Dr D Sreenivasa Rao, Assistant Professor in EED, NIT Warangal	October 23, 2021	IEEE Power and Energy Society Student Branch Chapter
19	Webinar on Embracing Social Emotional Learning for a Meaningful Life	Dr M Raja Vishwanathan, Assistant Professor in Humanities & Social Sciences, NIT Warangal	October 23, 2021	IEEE Student Branch
20	Webinar on Microwave Devices for Next Generation Wireless Communication	Dr Pragnan Chakravorty, Founder & Principal Director, CARET, Bhilai, Chattisgarh	October 29, 2021	IEEE Microwave Theory & Techniques Student Branch Chapter

21	Webinar on How to create a sustained talent pool in Space Technology?	Ms. Lynette Tan, Chief Executive and Board Member of Singapore Space and Technology Ltd.	November 10, 2021	IEEE Student Branch
22	Workshop on OrCAD PSpice	Kamlesh Kumar, Application Engineer, Entuple Technologies	November 21, 2021	IEEE Power and Energy Society Student Branch Chapter
23	Distinguished Lecturer Programme (DLP) Webinar on Substation Automation	John D McDonald, P.E. Smart Grid Business Development Leader, GE Grid Solutions, Atlanta, Georgia, USA637	December 18, 2021	IEEE Power and Energy Society Student Branch Chapter NIT Warangal and IEEE PES/IAS/PELS – Joint Chapter of IEEE Hyderabad Section as a part of webinar series
24	Webinar on Design Optimization framework for Solid State Transformers	Dr Jaydeep Saha, Research Fellow at National University of Singapore	December 19, 2021	IEEE Power and Energy Society Student Branch Chapter as a part of webinar series
25	Webinar on Energy Storage Systems in Micro grids and Utility grids	Dr P V Rajgopal, Former General Manager, BHEL (R&D) Corporate Office, Vikasnagar, Hyderabad	December 20, 2021	IEEE Power and Energy Society Student Branch Chapter as a part of webinar series

IEEE Hyderabad Section Student Activities Committee has presented the Exemplary Student Branch Award for the year 2021 on December 04, 2021 to IEEE Student Branch at NIT Warangal in recognition of its commitment and dedicated service.

IEEE Student Branch at NIT Warangal is enriched with the formation of the following Student Branch Chapters during 2021 for reaching out to students with various IEEE society specific activities.

S.No.	Name of the Student Branch Chapter	Date of Student Branch Chapter Formation	Name of Student Branch Chapter Advisor	Chairperson
1	IEEE Power and Energy Society Student Branch Chapter	June 06, 2021	Dr G Siva Kumar Assistant Professor in EED, NIT Warangal	Mr. Satyadeep Potla

2	IEEE Computer Society Student Branch Chapter	July 01, 2021	Dr Sanjay Kumar Panda Assistant Professor in CSED, NIT Warangal	Ms. Shahana Nandy
3	IEEE Microwave Theory & Techniques Society Student Branch Chapter	August 24, 2021	Dr G Arun Kumar, Assistant Professor in ECED, NIT Warangal	Mr. Prantik Dutta
4	IEEE Circuits and Systems Society Student Branch Chapter	October 15, 2021	Dr P Sreehari Rao, Associate Professor in ECED, NIT Warangal	Mr. Deepak Rajesh



Scholars Premium League

Department of Physical Education has organised Scholars Premium League during December 16th-29th 2021. Prof. N V Ramana Rao, Director NIT Warangal and Mr.Govardhan Rao, Registrar NIT Warangal have graced the inaugural.













In News

NIT-Warangal crossed a milestone in research output

DC CORRESPONDENT
HANAMKONDA, DEC. 27

The National Institute of Warangal has crossed one more milestone in research output with the number of publications by the faculty and students crossing 1,000 in the current calendar year of 2021, informed the Director of the NIT, Prof N.V. Ramana Rao on Monday.

In a statement released here, Prof N.V. Ramana Rao stated that this is the remarkable achievement made by NIT, Warangal. Compared to the previous best of 540 publications in 2017, the output of publications was doubled after four years with the induction of new faculty.

In addition to completing the academic syllabus and laboratory classes online, the institute has supported and motivated the faculty and students to enhance their research efforts.

The institute also established new centers of Excellence and a centralised Research Instrumentation facility to support multidisciplinary research not only among different departments but also collaborating them with several industries along with investing in huge resources on e-journals and e-books so that the faculty and students can access easily from any place.

All the faculty were given initial research funding of Rs 3 lakh each to establish their basic research facilities. Funding was also given generously to all the departments to purchase and upgrade the research equipment.

The curriculum of all the courses has been thoroughly revised in tune with the National Education Policy, 2020, and the intake of PhD scholars has been increased from 150 to 250 from the Current academic year. With the improved vigor and enthusiasm the NIT-Warangal will achieve further milestones to better its ranking, he hoped and congratulated the faculty and students.

1,740 receive degrees at NITW convocation

DC CORRESPONDENT
WARANGAL, OCT. 9

A record number of 1,740 candidates were awarded their degrees during the 19th convocation of National Institute of Technology, Warangal on Saturday. The convocation was held through motion capture augmented reality virtual technology.

Dharmendra Pradhan, Union Education Minister, who virtually participated in the ceremony said this day is the beginning of a new journey for the students who are tasked with the responsibility of shaping India into a better country as envisioned by prime minister Narendra Modi. "The New India structure should be in such a way that benefits the society in the field you have chosen. Technological changes in and there is a need for human resouces with technological expertise in cutting edge areas such as Internet of Things (IOT) and Machine learning", he said. On the day, the minister inaugurated the NITW Siemens Centre of Excellence and Hitachy smart electric grid laboratory. He also laid the foundation for Dyanchand Multipurpose sports Complex along with the civil and mechanical engineering building complexes.

Dr K. Kasturi Rangan, Former Chairman ISRO said NITW has today turned into a truly multi disciplinary institution. Speaking of NEP he said that this new policy provides an integrated and flexible approach to education. From those who received their degrees, 103 are PhD degree awardees, 537 are M. Tech. and 215 are other post graduate degree awardees and 883 are B Tech degree awardees. In each branch of Engineering, topper of the B.Tech class is awarded Roll of Honour Gold Medal and the topper of all branches put together is awarded Institute Gold. Ganesh S. of mechanical engineering received the Institute Gold Medal for being the student with the highest CGPA among all the branches of engineering. Seven other Students received Gold medals.

Dr N.V. Raman Rao, Director NIT Warangal, S. Govardan Rao, Registrar NITW, Dean Academic NITW Prof Venu Gopal, deans, Associate deans, professors, lecturers, Research scholars were present.



ఈనాడు
epaper.eenadu.net
ఉమ్మడి జిల్లాలు
ఆదివారం అక్టోబరు 10, 2021 5

నిట్‌లో స్నాతకోత్సాహం

- వర్చువల్ విధానంలో విద్యార్థులకు పట్టాల ప్రదానం

ఈనాడు, వరంగల్, హన్మకొండ, వాంసుమహం

వరంగల్ జాతీయ సాంకేతిక సంస్థ (నిట్) 19వ స్నాతకోత్సవం శనివారం వర్చువల్ విధానంలో నిర్వహించింది. సంస్థ సంచాలకులు ఆచార్య ఎన్‌వీ రమణారావు పట్టా ప్రదానోత్సవం ప్రారంభించారు. యూజీ స్థాయిలో 8, ఎంటెక్ 28, మార్నర్ స్థాయిలో 1 ఎంబీఏ కోర్సు అందుకున్నవారు తెలిపారు. పరిశోధనలు. సెమిస్టర్‌లో వేలలో నాలుగో స్థానంలో ఉన్నవారిని మాత్రమే అవి స్వీకరించారు. నిట్ రిజిస్ట్రార్ ఎన్.గోవర్ధనరావు బంగారు పతకాలు సాధించిన విద్యార్థులను ప్రకటించగా, ఆచార్య రమణారావు వర్చువల్ ద్వారా పట్టాలు ప్రదానం చేశారు. కేంద్ర విద్యాశాఖ మంత్రి ధర్మేంద్ర ప్రధాన్ తొలుత ఎలక్ట్రానిక్ పట్టాలను ప్రారంభించారు. స్టార్స్ ఫ్యాకల్టీ కార్యక్రమం అమృతం అయ్యారు. ఇస్రో మాజీ ఛైర్మన్ కస్తూరి రంగన్ ముఖ్య అతిథిగా పాల్గొని ప్రసంగించారు. నిట్ ఆచార్యులతో పాటు పలువురు విద్యార్థులు వర్చువల్ విధానంలో పాల్గొన్నారు.

ప్రపంచ సగటుకంటా మించి వీక్షణ ఈ సంబంధాన్ని ప్రపంచ సగటు మించాలని సంస్థ డీన్ (విద్యార్థి వ్యవహారాలు) ఆచార్య నిట్ వెబ్‌సైట్ ద్వారా పట్టాలు ప్రదానం చేశారు. యూట్యూబ్ వేదికగా నిట్ స్నాతకోత్సవాన్ని ప్రసారం చేశారు.విద్యార్థులు, వారి తల్లిదండ్రులు తీ చేశారు నుంచి ఎంతో ఇస్రో ప్రముఖులు మిన్నారు. మొత్తం 1740 మంది విద్యార్థులకు పట్టాల ప్రదానం చేశారు.

నేడు వ్యవస్థాపక దినోత్సవం..
ఎన్‌ఐటీ క్యాంపస్: ఎన్‌ఐటీ అమృతి (పూర్వవిద్యార్థుల సంఘం) ఆధ్వర్యంలో 16న వ్యవస్థాపక దినోత్సవం నిర్వహిస్తోంది. దివర కేటగిరీల్లో కేక అందుకున్న వారిని సత్కరిస్తున్నారు.

గొప్ప అనుభూతి పొందానా..
- అనామిక ప్రమోద్ మాలి, మహారాష్ట్ర

వరంగల్ నిట్‌లో బీటెక్ సివిల్ ఇంజినీరింగ్ పూర్తి చేశాను. వర్చువల్ ద్వారా పట్టా అందుకోవడం గొప్ప అనుభూతినిచ్చింది. ఈ రోజు నా జీవితంలో గొప్ప ఆనందాన్ని కలిగించిన రోజు. ఎంటెక్ పూర్తి చేసి జీవితంలో స్థిరపడాలనే నా లక్ష్యం.

స్నేహితులను కలవలేకపోయాం..
- తోట త్రివేణి, ప్రకాశం

కొవిడ్ కష్ట పరిస్థితుల్లో అంతర్జాల వేదికగా పట్టా అందుకోవడం సంతోషంగా ఉంది. ప్రత్యక్షంగా వేడుక జరిగి ఉంటే ఫ్రెండ్స్‌ను కలుసుకోవడానికి వీలుండేది. మాస్టర్ డిగ్రీలో పట్టభద్రులం అయినందుకు చాలా గర్వంగా ఉంది. వర్చువల్ ద్వారా పట్టా అందుకున్నాక తరగతి ఎంతో గర్వంగా ఉంది. వర్చువల్‌లో అవకాశం కల్పించిన కళాశాల యాజమాన్యానికి కృతజ్ఞతలు.

అమ్మానాన్న కోరిక నెరవేర్చాను..
- గంగిశెట్టి కావ్యశ్రీ, పాయుకుకొండ

పాయుకుకొండలోని కాకతీయ విశ్వవిద్యాలయం నుంచి బీఎస్సీ నుంచి అమ్మానాన్న, అక్క బీటెక్‌లో ఇంజినీరింగ్ చేశాక నిట్‌లో ఇంజినీరింగ్ చేయాలనేది వారి కోరిక నెరవేర్చాను. అదీక పూర్తి చేసి ఉద్యోగం సంపాదించాలి. ప్రత్యక్ష స్నాతకోత్సవం జరిగితే సంతోషంగా ఉండేది.

Date : 10/10/2021 EditionName : TELANGANA(HANUMAKONDA) PageNo : 01



మంగళవారం,28 డిసెంబర్ 2021

రీసెర్చ్ అవుట్‌పుట్‌లో మరో మైలు రాయి దాటిన నిట్ వరంగల్

ఏ ఏ మర్చి వరంగల్ జూన్: వరంగల్ జాతీయ సాంకేతిక విద్యాసంస్థ (నిట్) 19వ స్నాతకోత్సవం ఆదివారం వర్చువల్ విధానంలో జరిగింది. ఈ సంవత్సరం నిట్ వరంగల్ నుంచి 1740 మంది విద్యార్థులకు పట్టాలు అందజేశారు. ఇందులో 8 మంది పీహెచ్‌డీ, 28 మంది ఎంటెక్, 1 ఎంబీఏ, 1083 మంది బీటెక్ విద్యార్థులు ఉన్నారు. వీరిలో 103 మంది పీహెచ్‌డీ, 537 మంది ఎంటెక్, 215 మంది ఎంఎస్సీ, 883 మంది బీటెక్ విద్యార్థులు ఉన్నారు. ఈ సందర్భంగా నిట్ వరంగల్ సంచాలకులు ఆచార్య ఎన్.వి.రమణారావు మాట్లాడుతూ... నిట్ వరంగల్ 2017లో మొత్తం ప్రచురణల సంఖ్య 540 ఉండగా గత 4 సంవత్సరాలలో అధ్యాపకుల సంఖ్య రెట్టింపు కావడంతో ఈ సంఖ్య 1000 దాటిందని, ఇది రీసెర్చ్ అవుట్‌పుట్‌లో మరో మైలు రాయి అని అన్నారు. 2018 నుంచి 2019లో గత రెండు దశాబ్దాలలో కొత్త ఫ్యాకల్టీలను నియమించడం జరిగిందన్నారు. మౌలిక సదుపాయాలు మెరుగుపరుస్తూ ఉన్నామని, పరిశోధనలకు ప్రోత్సాహం అందిస్తున్నామని, ఇటీవల ఏర్పాటు చేసిన సెంట్రలైజ్డ్ రీసెర్చ్ ఇన్‌స్ట్రుమెంటేషన్ సెంటర్ ద్వారా అన్ని విభాగాలకు అవసరమైన పరికరాలు అందుబాటులో ఉన్నాయని, ఇటీవల ఏర్పాటు చేసిన ఇన్‌క్యుబేషన్ సెంటర్ ద్వారా విద్యార్థులు తమ ఆలోచనలను ఆచరణలో పెట్టడానికి అవకాశం ఉందని, ఇప్పటికే 4 స్టార్టప్‌లు ఇన్‌క్యుబేషన్ సెంటర్ ద్వారా ఏర్పాటు అయ్యాయని, ఇంక

మత సామరస్యం పాటించాలని నిట్‌స్టూడెంట్స్ ర్యాలీ

కాజీపేట, నవంబరు 21 : నిట్ ఎన్ఎస్ఎస్, స్టూడెంట్స్ కౌన్సిల్ ఆధ్వర్యంలో ఆదివారం మతసామరస్యాన్ని ప్రోత్సహించాలని ర్యాలీ నిర్వహించారు. ఈ ర్యాలీ నిట్‌క్యాంపస్ నుంచి కలెక్టర్ కార్యాలయం వరకు నిర్వహించారు. ఈ సందర్భంగా స్టూడెంట్స్ మాట్లాడుతూ.... ప్రజలంతా కుల, మత, జాతి బేధాలు లేకుండా ఐకమత్యంగా కలిసి ఉండాలన్నారు. ఈ ర్యాలీలో రిజిస్ట్రార్ ఎస్. గోవర్ధన్, ప్రొఫెసర్ రమణ మూర్తి, స్టూడెంట్స్ పెద్ద ఎత్తున పాల్గొన్నారు.



ర్యాలీ చేస్తున్న నిట్‌స్టూడెంట్స్

వచ్చే ఏడాది నుంచి అలూమ్ని అవార్డ్

● నిట్ డైరెక్టర్ ఎన్వీ.రమణారావు

కాజీపేట అర్బన్: నిట్ వరంగల్ ఆవిర్భావ దినోత్సవాన్ని జరుపుకోవడం ఆనందంగా ఉందని, రాబోయే ఆవిర్భావ దినోత్సవం నుంచి అలూమ్ని లైఫ్ టైం అవార్డు అందజేస్తామని నిట్ డైరెక్టర్ ఎన్వీ.రమణారావు తెలిపారు. కాజీపేటలోని నేషనల్ ఇనిస్టిట్యూట్ ఆఫ్ టెక్నాలజీ(నిట్) ఆడిటోరియంలో నిట్ ఆవిర్భావ దినోత్సవ వేడుకలను ఆదివారం డైరెక్టర్ ఎన్వీ.రమణారావు జ్యోతి ప్రజ్వలన చేసి ప్రారంభించారు. నిట్ ప్రపంచస్థాయిలో ప్రత్యేక గుర్తింపు సాధించడంలో అధ్యాపకులు, అలూమ్ని, విద్యార్థులు కృషి ఎంతో ఉందన్నారు. ఆవిర్భావ దినోత్సవం సందర్భంగా అలూమ్ని విద్యార్థులను సన్మానించుకోవడం ఆనందంగా ఉందన్నారు. అలూమ్ని విద్యార్థులు వారి అనుభవాలను పంచుకోవడం ద్వారా ప్రస్తుత విద్యార్థులకు మార్గదర్శకంగా ఉంటుందన్నారు. అలూమ్ని విద్యార్థులు ఏ రంగంలో ఉన్నా నిట్‌ను మరువకుండా ఉండటం అభినందనీయమన్నారు. అలూమ్ని విద్యార్థులు ఇచ్చే సలహాలు, సూచనలు నిట్ అభివృద్ధికి ఎంతో దోహదపడతాయ



ఉత్సాహంగా.. ఉల్లాసంగా..

వర్చువల్‌లో
నిట్ 19వ స్నాతకోత్సవం

- 1,737 మంది విద్యార్థులకు పట్టాల ప్రదానం
- పిండంటి అభి ఎక్సలెన్స్ ఎంట్రీ పీఠీ బంగారు పతకం ప్రదానం
- దీక్షాంత్ ప్రసంగం
- కీలక విద్యార్థులు మంత్రి
- రజ్వీత్ ప్రదానం
- ఆన్‌లైన్‌లో పాల్గొన్న ఎక్కువ మంది విద్యార్థులు ఉండటం





NITW research output grows

HANS NEWS SERVICE
WARANGAL

THE research output of NIT Warangal has shown significant improvement in the recent years.

As per the Scopus database, the number of publications by the faculty and students of NIT Warangal in the current calendar year 2021 has crossed 1,000. This is a remarkable achievement. In 2017, the total number of publications was 540. In the last four years, the output has almost doubled. With the induction of new faculty, the research culture has seen renewed impetus. In the last two recruitments in 2018 and 2019, nearly 150 new faculty members were recruited. All the faculty members were given initial research funding of Rs 3 lakh each to establish their basic research facility. Also, funding was given generously to all the departments to purchase and upgrade the research equipment.

NITW Director Prof. NV Ramana Rao and Registrar S Goverdhan Rao congratulated the entire NITW faculty and students. In addition to completing the academic syllabus and laboratory classes online, the institute has supported and motivated the faculty and students to enhance their research efforts. The institute has also established new Centers of Excellence and a Centralized Research Instrumentation Facility to support multidisciplinary research not only among different departments but also in collaboration with the industry. The institute is also spending huge resources on e-journals, e-books, which can be accessed from any place.

Prof Ramana Rao informed that the curriculum of all the courses has been thoroughly revised in tune with the National Education Policy, 2020 and the intake of PhD scholars has been increased from 150 to 250 from the current academic year. Further new integrated courses in sciences have been introduced.



Superannuation

Prof. M Sydulu (Professor–HAG) retired from service on 31st October 2021 on superannuation. Prof. M. Sydulu joined RECW in 1980 as a Teaching Assistant after completing his graduation and post-graduation from RECW itself and over a period of 41 years of service he rose to the position of Professor- HAG.

During his long and distinguished service at RECW/NITW, Prof. Sydulu donned several administrative posts in addition to his teaching responsibilities. To name a few he served as Head of Department, Dean (Admin), Dean (Faculty Welfare), Dean (Research & Consultancy), Coordinator of SRIC(Sponsored Research and Industry Consultancy) and was nominated as the Member, Board of Governors NIT Warangal from 01 May 2021 till his superannuation. Apart from these Prof Sydulu was also the president of the Teacher's Welfare Association in 2008 and the convener of the Golden Jubilee Celebrations during 2008-2009.

He was a very popular teacher. Prof. Sydulu was selected as the Best Engineering Faculty in 2015. Prof. Sydulu has been a Member of Board of Studies of many institutions.
The Department of Electrical Engineering has organized a two day online seminar cum Workshop at NITW to mark the superannuation of Prof. M. Sydulu during 29th -30th October 2021. During this program, Mr. N. Venu, CMD, Hitachi Energy Ltd, a 1988 alumnus of Electrical Engineering, NITW attended as the guest of Honor and delivered the Keynote address. Few other alumni of the Department, Mr. Ramakrishna Vemuri, Dr. NDR Sarma, Dr. N. Balaji and Mr. P. Subba Rao gave lectures in the program.

The program was well attended by his students and well-wishers physically and virtually. A Felicitation function was arranged in the AN of 30th October 2021 in which several of his students, classmates and well-wishers expressed the unique qualities of Prof Sydulu both as Teacher, Researcher and above all as a human being that endeared him to all who were associated with him.





Members of Institute Information Advisory Committee (IIAC)

Sl. No.	Department	Name of In chargeof Department Information	Designation	Mobile number	E-mail
1	ADVISOR(QA&AA)	Dr. S. Srinivasa Rao	Professor	8332969313	Advisor_qaaa@nitw.ac.in sneni@nitw.ac.in
2	ASSOCIATE DEAN (ACADEMIC AUDIT)	Dr. K. Srikanth	Associate Professor	8332969720	asd_aa@nitw.ac.in
3	CIVIL	Dr. T. P. Tezeswi	Assistant Professor	8332969423	tezeswi@nitw.ac.in
4	ELECTRICAL	Dr. G. Siva Kumar	Assistant Professor	8332969 295 7702716890	gsivakumar@nitw.ac.in
5	MECHANICAL	Dr. P Vamsi Krishna	Associate Professor	8332969371	vamsikrishna@nitw.ac.in
6	ECE	Dr. G. Arun Kumar	Assistant Professor	9491065971	g.arun@nitw.ac.in
7	M&M	Dr. G. Brahma Raju	Assistant Professor	8332969389	gbraju@nitw.ac.in
8	CHEMICAL	Dr. Sampath Kumar	Assistant Professor	8497968889	pskr@nitw.ac.in
9	CSE	Dr. R. Padmavathy	Associate Professor	9440173819	rpadma@nitw.ac.in
10	BIOTECH	Dr. Priya	Assistant Professor	9167474235	priyap@nitw.ac.in
11	MATHEMATICS	Dr. Y. Srinivasa Rao	Assistant Professor	9494776866	ysr@nitw.ac.in
12	PHYSICS	Dr. Jayalakshmi	Assistant Professor	8332969477	jayalakshmiv@nitw.ac.in
13	CHEMISTRY	Dr. S. Nagarajan	Assistant Professor	9940430715	snagarajan@nitw.ac.in
14	SOM	Dr.P.R.C.Gopal	Assistant Professor	9843716992	prcgopal@nitw.ac.in
15	HUMANITIES&SOCIAL SCIENCES	Dr. Madhumathi P.	Assistant Professor	9943401929	madhumathi.p@nitw.ac.in
16	Centre for Career Planning & Development	Dr. K. Kiran Kumar	Head, (CCPD)	9490165357	ccpd_hod@nitw.ac.in
17	General Coordinator-I	Dr. S. Vidyasagar	Associate Professor	9490164976 8332969463	vidyasagars@nitw.ac.in
18	General Coordinator - II	Dr. T. Rahul	Assistant Professor, SOM	8978264848	rahult@nitw.ac.in

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editor_newsletter@nitw.ac.in