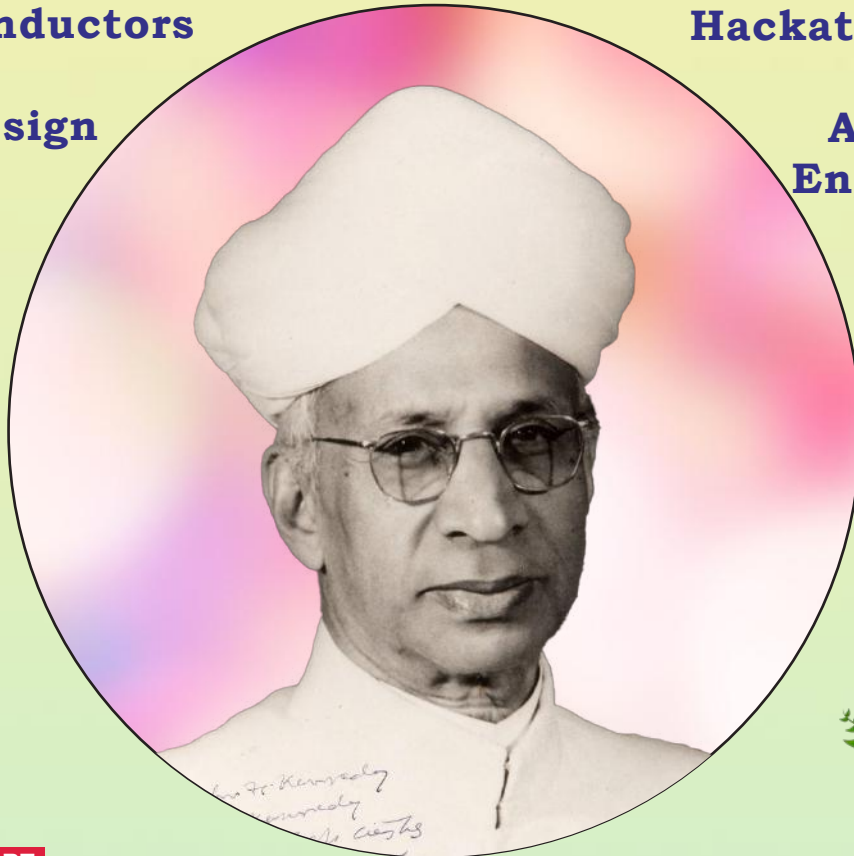


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## Role of Semiconductors in Chip Design

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## Smart India Hackathon (SIH) 2024 @ Anantapur Engineering College



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# From Paper to Interview: The Art of Showcasing Your Experience

*Use the power of structure, action, and results to turn your CV into a storytelling tool for interviews.*

- Dr E Keshava Reddy



Preparing for a job interview bodes well beyond the practice of a few interview questions. It entails a total commitment to demonstrate skills, self-assurance and suitability for the job. A job interview allows one to provide the specific information requested within the context of the

In the current world of work where competition is a common phenomenon, whether on age or merit, a CV should be able to demand attention from the employer. It should not only mean a synopsis of the individual's skills, but it must be his or her selling weapon as well. The very first moment you



general way rather try to emphasize what you have done and the results achieved clearly and simply. Here's how you can do that:

## Make a 'TAR' Statement (Task, Action, Result).

One of the best techniques for presenting work experience while building a CV is the TAR definition, which stands for Task, Action, and Result. This technique allows you to organize the information in your experiences in an easy manner. The choice to include these three elements as fundamental ones means that there is no bullet in the CV without a story of the author's contribution and the result.

**Task:** To begin with, remember the project, task, or other activities you participated in. This helps to provide the reader with the context of what has been shared and to account for the situation.

**Action:** Go ahead and record the action that you made – what did you do to help fix the problem or complete the task? Detail your actions to show what you did and if you were given any responsibility in the project.

job and the employer's needs. While preparing for the interview, one vital element comes into play – your CV (Curriculum Vitae) or resume. In most instances, this is the first thing that a prospective employer will come across from you, it is more than a storage device or a detailed chronicle of one's past jobs. It is a weapon of defence or offence, which already scores the first points about you before you meet the employer. The contents and presentation of a CV create the atmosphere of an interview and can either create interest or lose it. In the first instance, it is — how do you put it.... the First Interview – on Paper.

step into the 'interview zone' this document speaks for you for the better or worse and classifies you as a contender or a non-contender. It must provide a case for one's fitness for the position in question, showing what one performed and why it was important to one's prospective employer.

## Structuring the points in a CV or resume

A CV/resume is essential in marketing or promoting one's skills and values within any career or business activity. It is the building block of a successful interview, and its quality is what differentiates you from the rest. Try to avoid narrating responsibilities and roles in a

## Showcasing the skills in a CV or resume during an interview

**Result:** Finally summarize the result of your action. What happened? Did you change a policy for the better, resulting in more money being earned, or less being spent? It is always preferable to state the result of the effort in a way that is indicative of achievement.

### Example:

Led a team of 5 to redesign the customer feedback system (Project), streamlining the process through automation and improving response time by 30% (Action), resulting in a 15% increase in customer satisfaction scores over six months (Result).

This concise, yet comprehensive format allows recruiters to quickly grasp your achievements while understanding the value you brought to the company.

### Quantifying the Results or Impact

Number is powerful in a CV. When you quantify your achievements, it provides tangible evidence of your impact, making your claims more credible and specific. Hiring managers appreciate seeing measurable outcomes because they give a clearer idea of your contributions and success.

Quantifying your impact can include:

- Percentage improvements: e.g., improved team efficiency by 25%, increased sales by 10%.
- Time saved: e.g., reduced project delivery time by 15 days.
- Cost reductions: e.g., reduced operational costs by \$20,000 annually.
- Revenue growth: e.g., generated \$50,000 in additional sales in Q3.

### Example:

Optimized the data processing pipeline (Action), reducing processing time by 40% (Result), which saved the company approx-

imately 10 hours per week and \$15,000 annually.

Quantifying your impact makes your accomplishments more concrete, helping you stand out among candidates who describe their work in vague terms.

### Use Strong Action Verbs

Your choice of verbs can transform a passive, bland CV into a dynamic and engaging document. Action verbs not only make your statements more impactful but also convey a sense of leadership and initiative. Instead of simply describing what you did, action verbs demonstrate that you actively contributed to or led a project.

### Some powerful action verbs to consider include:

- **Led:** Demonstrates leadership and initiative.
- **Developed:** Shows creativity and innovation.
- **Implemented:** Highlights execution and problem-solving.
- **Improved:** Indicates positive contributions.
- **Streamlined:** Suggests efficiency and process optimization.
- **Collaborated:** Reflects teamwork.
- **Achieved:** Signifies success and results.

### Example :

Developed a machine learning algorithm to predict customer churn (Action), reducing customer attrition by 12% in six months.

If you are sharing your CV in an interview, the objective is to keep on track, providing evidence of your achievements. It is also great to use the TAR (Task, Action, Result) to create short entertaining stories, which accentuate your positive traits. Here is how to say each statement, so that not only the interviewer's query is answered but your skills and contribution are also highlighted.

### Intro: The Task/Project

Begin with some simple and relevant background: what task or project did you undertake? A few background lines should suffice because this is just the setup of the tale which follows.

### Details: The Action Taken

Then, come to the step in the process, which was the action taken. Here, concentrate on the actions taken by you, what skills that was filled in with, what barriers there were, and how they were dealt with. Here, the goal is to showcase your problem-solving skills, self-starting capacity as well as leadership qualities.

### Conclusion: The Result

Conclude by giving the outcomes while also giving figures for your achievement wherever applicable. This last element demonstrates to the interviewer the results of your efforts as well as the contribution you made to the company.





This way, you are describing your achievements in detail which enables the interviewer, to not only understand what you did but also how significant it was.

The ‘Tell me about yourself’ aspect is a perfect place to bring in the strong TAR narrative. It is useful to place one of your best TAR statements, as early as possible in the interviewed couple of statements, to bring the unbalance into the interview, in your favour. Incorporating one of your TAR statements into your introduction positions you as a results-driven candidate, guiding the conversation towards your strengths from the very beginning.

#### Key tips for using TAR during The interview:

Get to the point: Follow the for-

mat—task, action, result—to prevent any digressions from your answers and make them sound very organized.

Work on your anecdotes: Practice how you will share these anecdotes well ahead of the interview so that it does not sound too rehearsed when in front of the interviewers.

**Make it role-specific:** Go for the most pertinent TAR stories about the vacancy in question. In the case of a leadership position, one will need to provide examples of incidents where they were in charge of a group of individuals. In the case of a technical position, one will need to present incidences which highlight their technical abilities. Using the TAR structure in interviews helps you not only discuss your achievements in the past but

also shows that you have the potential to perform in upcoming roles.

#### CONCLUSION :

In summary, readiness for a job interview and the importance of a polished CV or resume cannot be overstated. They reflect your readiness to take on new challenges and your ability to communicate your qualifications effectively. By investing time in preparing a strong CV or resume, you set the stage for a successful interview, where you can further demonstrate your fit for the position and your enthusiasm for the opportunity. Remember, both the CV and the interview are opportunities to tell your story—make sure they highlight your strengths and achievements compellingly.

## About the Author



**Prof. E. Keshava Reddy** is a Professor of Mathematics at JNTUA College of Engineering Anantapur at JNT University Anantapur. He has written books on Mathematics which will not only improve the knowledge of engineering students and help students to improve their research capabilities in Mathematics. His Modular Object-Oriented Dynamic learning Environment (Moodle) site is <http://keshava.moodlecloud.com> or <https://keshava.moodle.school>, through which he teaches Mathematics to B.Tech. and M.Tech. students online. He is guiding young minds to achieve their research goals in the field of Mathematics.



## University's Campus - wide Plantation Drive

JNTUA NSS Cell organized a plantation drive to promote environmental protection and raise awareness about the significance of tree planting, particularly in the Anantapur district, which is facing challenges such as drought and deforestation. This program is plant in celebration of Shri K. Pawan Kalyan's, Deputy CM birthday on **02.09.2024**.

### Inauguration Ceremony

**Chief Guests:** Prof. H. Sudarshan Rao, Registrar Prof. S. Krishnayya

The event commenced with the inauguration of tree planting in the university premises.

Emphasis was placed on the importance of increasing forest cover in the region, given the low rainfall and limited forest area.

### Key Messages

**Environmental Responsibility:** The guests highlighted that everyone should actively participate in tree planting efforts to combat environmental degradation.

**Community Engagement:** They urged the community, especially rural areas, to join in this initiative to improve the ecological balance and ensure a greener future.

**Monitoring and Maintenance:** It was stressed that proper arrangements must be made for the care and monitoring of newly planted trees to ensure their survival and growth.

### Participation

The event saw participation from the Vice-Chancellor, Registrar, faculty members, students, and numerous fans of Deputy CM K. Pawan Kalyan.

NSS Coordinator Dr. Sarada emphasized the role of youth in driving this initiative forward.

### Educational Integration

**Moral Values and Discipline:** It was noted that instilling moral values in students is essential. The importance of a teacher's code of conduct was emphasized in nurturing disciplined students.

**Identification and Incentives:** Recognizing disciplined students and utilizing them as teaching aids was encouraged. Outstanding talent among students should be acknowledged and rewarded.

**Digital Education:** Teachers were urged to adapt to new technologies and promote digital education policies, serving as knowledge facilitators.

### Conclusion

The Vanamahotsavam celebration at JNTUA was not just about planting trees, but also about fostering a culture of environmental stewardship and instilling values among students. It served as a reminder of the collective responsibility towards nature and the role of education in shaping a sustainable future.



## JNTUA AAPCOS Association Extends Help to Bereaved Family

**Date:09-09-2024**

Ms. M. Nagalakshmi, wife of JNTUA driver Mr. Shivarami Reddy, passed away, on June 24, 2024. The University community extended their condolences and support by providing Rs. 15,000 for funeral expenses> the JNTUA AAPCOS Association also raised an additional amount of Rs.36,666/-to assist the family. In a show of solidarity, the Vice Chancellor and Registrar presented cheque to Mr. Shivarami Reddy, thanking all employees for their generous contributions.





# UNIVERSITY ANNUAL AWARDS 2024



**O**n the occasion of Teachers' Day, JNTU Anantapur University held a significant awards ceremony to honor outstanding educators and recognize their contributions to society and academia. The event was graced by key university officials and attended by faculty of university colleges, and staff on **05-09-2024** at JNTUA.

The program commenced with floral tributes to Dr. Sarvepalli Radhakrishnan, the second President of India and a revered educator.

Vice Chancellor Prof. Sudarshana Rao in his address emphasized the vital role of faculty in shaping responsible citizens and acknowledged the contributions of educators from constituent, autonomous, and private colleges. He urged faculty to actively share their achievements and patents with the university, as this information plays a crucial role in enhancing NIRF rankings and NAAC accreditation.

Registrar Prof. C. S. Krishnappa spoke about the profound impact teachers have on their students and highlighted that the influence extends beyond the classroom, shaping the lives of both students and teachers alike.

## Award Presentations

The ceremony recognized the following categories of awards:

### University Teachers Awards - 2024 (Constituent Colleges)

- Prof. S. Krishnaiah, Department of Civil Engineering, JNTUA Ananthapuramu.
- Prof. V. Sumalatha, Department of Electronics and Communication Engineering, JNTUA CEA, Ananthapuramu.
- Prof. K. Tyagarajan, Department of Physics, JNTUA CEK, Kalikiri.
- Prof. K. Jayalakshmi, Department of Mathematics, JNTUA CEA, Ananthapuramu.
- Dr. M. Kalyan Kumar, Department of Chemical Engineering, JNTUA CEA, Ananthapuramu.

### University Teachers Awards - 2024 (Autonomous Colleges)

- Dr. N. Kashi Vishwanath, Pullareddy Engineering College, Kurnool.
- Dr. K. Soma Shekhara Reddy, Raghavendra Institute of Pharmaceutical Education and Research, Anantapur.
- Dr. D. Madhuri, Creative Educational Society College of Pharmacy, Kurnool.

### University Principals Awards - 2024

- Dr. Naveen Kilari, Vemu Institute of Technology, Chittoor.
- Dr. C. Madhusudan Shetty, Shantiram College of Pharmacy, Nandyala.
- Dr. D. Ranganayaku, Sri Padmavathi School of Pharmacy, Tirupati.

- Dr. D. J. Samata Naidu, Annamacharya P.G. College of Computer Studies, Rajampeta.

### University Physical Directors Best Award - 2024

- Dr. V. Mallikarjuna Reddy, B.K.R. Institute of Science & Technology (Autonomous), Tirupati.

### University Women Coordinators Awards - 2024

- Dr. H. Umamaheshwari, Srinivasa Institute of Technology & Management Studies, Chittoor.
- Ms. S. Triveni, Assistant Professor, Raghavendra Institute of Pharmaceutical Education & Research, Anantapur.

### University NSS Program Officers Awards - 2024

- Prof. K. Sesa Maheshwaramma, Dept. of Chemistry, JNTUA CEP, Pulivendula.
- Ms. J. Suresh Babu, K.S.R.M. College of Engg. Kadapa.

### University NSS Program Volunteers Awards - 2024

- Vaditya Ashok Nayak, JNTUA CEK, Kalikiri.
- Ms. Geetanjali, Institute of Science and Technology, SPSR Nellore.

### University Patents Awards

- Dr. H. Sudarshana Rao, Professor of Civil Engineering & Incharge Vice-Chancellor, JNTUA Ananthapuramu.
- Dr. Vaishali Gorpade, Professor of Civil Engineering & Director R&D, JNTUA Ananthapuramu.
- Prof. C. Sasidhar, Civil Engineering Dept. JNTUA CEA.
- Prof. S. Aruna Mastani, Dept. of ECE, JNTUA CEA.
- Dr. N. Visali, Professor of EEE Dept. & IRP Director, JNTUA, Ananthapuramu.
- Dr. M. Murali Nayak, Assistant Professor, Dept. of Chemical Engineering, JNTUA CEA.

The Teachers' Day celebration at JNTU Anantapur University was a momentous occasion to honor the dedication and achievements of educators. The awards presented not only recognized individual accomplishments but also reinforced the university's commitment to academic excellence and community impact.



# University Awards 2024

## University Teacher Awards

The University Awards 2024 honor the outstanding achievements of our faculty on Teacher's day across multiple domains, including research, best teaching practices, leadership as principals, NSS officials, Physical directors and patent achievers. These awards recognize individuals who have demonstrated excellence in their respective fields, contributing to the growth and reputation of the university.

In this edition, we celebrate those who have excelled in their research endeavors, implemented innovative teaching methods, shown exemplary leadership, and demonstrated a strong commitment to community ser-

vice through NSS. We also highlight achievements in sports and honor those who have acquired patents for their innovative work, further emphasizing the university's commitment to fostering a culture of innovation and excellence.

The following sections provide details about each awardee, highlighting their remarkable contributions and the impact they have made in their respective fields.

This version introduces the award categories and smoothly transitions into the section about the awardees.



**Dr. S. Krishnaiah**, Registrar JNTUA Anantapur, has completed his B.E. in Civil Engineering in 1989, his M.E. in Foundation Engineering Systems in 1993, and his Ph.D. in 2003 from IIT Bombay. He joined JNTU Engineering College in 1994 as an Assistant Professor and has since held various positions and responsibilities throughout his 30-year career. Professor Krishnaiah has guided 7 Ph.D. students and is currently supervising 6 Ph.D. candidates. He has published 57 research papers in several international journals and 25 in national journals and conferences. Prof. Krishnaiah is a distinguished academician and an exemplary administrator. Throughout his career, he has held several key portfolios, demonstrating exceptional leadership and administrative acumen. Notably, he served as Head of the Department from 2009 to 2011 and as Registrar from 2014 to 2019. He is currently serving as Registrar for the second time. His contributions to both academia and administration have been instrumental in advancing institutional goals and fostering an environment of excellence.



**Dr. V. Sumalatha**, professor of Electronics and Communication Engineering, JNTUA CEA Anantapur for her exceptional contributions to academics. Educational Qualifications & Professional Qualifications is Ph. D in JNTU Anantapur Specialization on Wireless Networks on the year of 2010. M.Tech. JNTU College of Engineerig. Anantapur Specialization on Digital Systems & Computer Electronics on the year of 2001. B.Tech. in JNTU College of Engineerig, Electronics & Communication Engineering Branch Ananthapuramu in 1993. Throughout his career, she has held several key portfolios, demonstrating exceptional leadership and administrative acumen. Notably, he served as Head of the Department of ECE, Administrative Post held in Director, Industrial Relations & Placements, Coordinator, Academic & Planning, Training and Placement Officer, University Nodal Officer for MHRD – All India Survey of Higher Education (AISHE) from 2011 to 2024 September. Presently She is working as a Professor in ECE Department.



**Dr. K. Thyagarajan**, is currently serving as the Vice Principal and Professor of Physics at JNTUA College of Engineering Kalikiri. His academic journey began with completing his M.Sc., M.Phil., B.Ed., and Ph.D. degrees from S.V. University, Tirupati. He joined JNTUA College of Engineering Pulivendula as an Assistant Professor of Physics on November 10, 2006. Through his dedication and expertise, he was promoted as, Professor and served in various Key portfolios in the university His contributions to the academic community extend beyond research and teaching. He has organized two DST INSPIRE Science Camps, workshops, conferences etc. Prof. Thyagarajan has supervised 19 research scholars who have been awarded Ph.D. degrees and is currently guiding 5 Ph.D. candidates. His scholarly work includes the publication of 70 research papers in reputed journals. He is also the author of the textbooks "Engineering Physics" and "Applied Physics," published by McGraw-Hill Education.





**Dr. K. Jaya Lakshmi**, *Professor of Mathematics JNTUA Anantapur*, has joined JNTUA College of Engineering as an Assistant Professor on September 12, 2006. She holds an M.Sc. Degree in Mathematics (2002) and a Ph.D. Degree (2010), both from Sri Krishnadevaraya University, Anantapur. Her academic journey has been marked by significant milestones, including her promotion to Associate Professor in 2018 and to Professor in 2021. Professor Jayalakshmi has also served in various key roles within the institution and also as and Director of Research and Development (2021-2022) at Krishna University Machilipatnam. Over her illustrious career, Professor Jayalakshmi has guided 10 Ph.D., is currently supervising 4 Ph.D. students. She has contributed extensively to the field of mathematics with 75 published research papers—50 in international journals and 25 in national journals—and has presented 20 research articles at international conferences and 6 authored books..



**Mr. M. Kalyan Kumar**, *Associate Professor, Chemical Engineering Department, JNTUA College of Engineering Anantapur*, has joined JNTU in 2001 and has since made significant impacts through his dedication and service. He earned his B.Tech. degree in Chemical Engineering from Mangalore University and his M.Tech. from the School of Energy, Trichy. Before joining JNTUA, he gained valuable industry experience working in a Synthetic Fiber plant for three years and at BMS College of Engineering, Bangalore, for two years. Mr. Kalyan Kumar held various positions and responsibilities throughout his 23-year career. To name a few, he served as the First Additional Controller of Examinations at JNTU Anantapur, Hostel officer, Recently, he has served as Coordinator at the Directorate of Academic & Planning and as Assistant Editor for the university e-magazine, Tech Ananth, contributing to the timely release of the magazine over nearly two years. . Currently, he is engaged in a research project on wastewater treatment by electrocoagulation, funded by the university.



**Dr. N. Kasiviswanath**, *Faculty of Computer Science Engineering, G. Pulla Reddy Engineering College (Autonomous), Kurnool*, has earned his B.E. in Computer Science Engineering in 1992, and MS in Information Systems in 1996, and a PhD in 2010. His research areas include Mobile Networks, Cloud Computing, Big Data, and Machine Learning. , He joined G.Pulla Reddy Engineering College in 1994 as an Assistant Professor and worked in various positions and cadres in his journey of 30 years of experience he has served as the Head of the Computer Science and Engineering Department, leading it to achieve NBA Accreditation five times. Prof. Kasiviswanath's excellence in teaching was recognized in 2019 when he received the Best Computer Science Teacher Award from the ISTE AP Section, Anantapur. He has mentored eight PhD scholars and currently supervises four more at JNTUA. is commitment to academia is evident from his extensive participation in workshops and Faculty Development Programs, both nationally and internationally. Prof. Kasiviswanath has also authored two books and published around 75 research papers.



**Dr. K. Somasekhar Reddy**, *Faculty of Pharmaceutical Sciences, Raghavendra Institute of Pharmaceutical Education & Research (Autonomous), Krishnamreddy Palli Cross, Ananthapuramu*, holds a Ph.D in Pharmaceutical Sciences from JNTUA and has accumulated 16 years of experience in the field. He is currently the Professor and Head of the Department of Pharmacology and he also serves as the Training and Placement Officer. Under his leadership, RIPER has received research grants and organized international seminars funded by AICTE, UGC, and JNTUA. Dr. Reddy has published around 55 papers in reputable journals, guided 6 PhD and 73 PG scholars, and authored 2 books. He holds a patent and has been nominated for CCSEA by the Government of India. His contributions have been recognized with several awards: the Best Research Award from RIPER in 2023, the Best Teacher Award in 2018, and the Best Researcher Award in 2020. Additionally, he was honored as the Best Teaching Pharmacist by the IPA Anantapur local branch in 2020. Dr. K. Somasekhar Reddy, is an active member of the Academic Council and Board of Studies at RIPER and has served as a resource person for AICTE/UGC funded conferences. He is also the scientific in-charge and Member Secretary of IAEC at RIPER.



**Dr. D. Madhuri**, Faculty of Pharmaceutical Sciences, Creative Educational Society's College of Pharmacy, Kurnool,

**PRINCIPAL AWARDS -2024**



**Dr. Naveen Kilari**, Principal, Vemu Institute of Technology, P. Kothakota, Chittoor District, is a distinguished Professor in Mechanical Engineering, is celebrated as an institution builder and architect of academic excellence. With over 25 years of experience, he has made significant contributions both as an academician and an administrator. As Principal of Vemu Institute of Technology, Dr. Kilari has led the institution to remarkable achievements. He has also enhanced academic excellence through industry linkages, MOUs, and industry-supported laboratories. Prior to this, Dr. Naveen Killari played a crucial role in securing NAAC accreditation and UGC Autonomous status for SVP College of Engineering & Technology. Dr. Naveen Killari expertise extends to training and placement, where he has guided students to secure positions in Tier-1 MNCs and conducted numerous workshops on soft skills and campus recruitment. His earlier role as Principal Technical Officer at C-DAC, Government of India, involved leading the Advanced Computing Training School and developing diploma programs in cutting-edge technologies. Dr. Naveen Killari holds two patents, has authored five books, and published over 20 research papers. He is a Fellow of the Institution of Engineers (FIE - India) and a life member of ISTD, ISTE, and QCFI.



**Dr. C. Madhusudana Chetty**, Principal, Santhiram College of Pharmacy, Nandyal, has mentored 11 Ph.D. scholars, contributing significantly to the college's research prowess. With over 50 publications and a citation count of 6463, including 16 in SCI journals and 10 in Scopus-indexed journals, his research has made a substantial impact on pharmaceutical sciences. Under his guidance, the college has excelled in innovative research and technology, securing Rs. 23.5 lakhs in funding from AICTE and two intellectual property rights, placing it at the forefront of pharmaceutical innovation. Dr. C. Madhusudana Chetty is an active member of several key pharmacy organizations, including APTI, IPA, and IHPA. His involvement as a resource person in academic and developmental activities underscores his influential role in the pharmacy community. Dr. C. Madhusudana Chetty visionary leadership has solidified Santhiram College of Pharmacy's reputation as a premier institution in pharmacy education.



**Dr. D. Ranganayakulu**, Principal, Sri Padmavathi School of Pharmacy, Tirupati, completed his B. Pharmacy at Gulbarga University, his M.Pharmacy in Pharmacology at Andhra University, and was awarded a Ph.D. from Andhra University in 2006. He has been serving as the Principal of Sri Padmavathi School of Pharmacy, Tiruchanoor, since 1999. Notably, he was the first in the pharmacy sector to be ratified as Professor by JNTU Hyderabad in 2007. With over 37 years of teaching experience and more than 20 years in research, Prof. Ranganayakulu has guided 130 UG students, 85 PG students, and 22 Ph.D. scholars. He has published over 120 research papers in esteemed national and international journals. Prof. Ranganayakulu has served on several prestigious boards and committees, including as a BoS Member for Pharmacy at JNTUA and as a member of AP EAMCET and AP PGECET. He is a member of the Royal Pharmacy Council, London, and several other international pharmacy associations. Prof. Ranganayakulu's exceptional contributions have been recognized with numerous awards, including the SARADA PURASKAR AWARD, BEST EDUCATIONALIST AWARD, RASTHRIYA GAURAV AWARD, and the prestigious IPA FELLOWSHIP AWARD, among others.



**Dr. D.J. Samatha Naidu**, *Principal, Annamacharya PG College of Computer Studies, Rajampet*, completed her MCA from S.V. University, an M.Phil in Computer Science from Madurai Kamaraj University, an M.Tech in Computer Science and Engineering from JNTUA, and a Ph.D. from VikramaSimhapuri University. She has served as Professor and Principal of Annamacharya PG College of Computer Studies, Rajampet, for the past 20 years. With 12 years of research experience and 2 years of industry experience, Dr. Naidu has completed major consultancy projects, including those funded by AICTE. She has published 150 international research journal papers, attended and presented at 100 conferences, and holds 10 national and international patents. Dr. Samatha Naidu is also a prolific author with 8 textbooks and numerous theory and lab manuals for MCA and MBA students. She is a life member or fellow of 22 professional bodies and has received 25 national and international awards. Beyond her academic achievements, Dr. Naidu has made significant contributions to community service. She has adopted 25 orphaned and HIV-positive students, providing them with essential care, and has trained over 10,000 UG students and 3,000 school students in career development and motivational skills.

**PHYSICAL DIRECTOR AWARDS - 2024**



**Dr. V. Mallikarjuna Reddy**, *N.B.K.R. Institute of Science & Technology (Autonomous), Vidy-anagar, Kota (M), Tirupati*, born and raised in Kadapa, completed his Bachelor's degree in Physical Education from ZION College of Physical Education and his Master's from Sri Krishna Devaraya University. He earned his M.Phil from Annamalai University and was awarded a Ph.D. in 2021 by the Tamil Nadu College of Physical Education & Sports University for his distinguished research on Resistance Training. With over 20 years of experience, Dr. V. Mallikarjuna Reddy has made significant contributions to physical education. He has served as a Team Manager and Coach for various university teams, leading them to success in numerous tournaments. He has also been an Examiner for the Physical Education Common Entrance Test (PECET) and a Sports Board Member at Vikrama Simhapuri University. Dr. V. Mallikarjuna Reddy's dedication extends to organizing national-level tournaments, establishing an NCC Naval Wing at his institute, and conducting a pioneering AICTE-sponsored Faculty Development Program for Physical Education in Andhra Pradesh. His innovative approach includes managing an exclusive portal to showcase student achievements in physical education, which has been highly praised by national committees such as NAAC and NBA.

**WOMAN COORDINATOR AWARDS - 2024**



**Dr. H. Umamaheswari**, *Faculty of Physics, Sreenivasa Institute of Technology and Management Studies (Autonomous), Murukambattu (P), Chittoor District*, holds a Ph.D. from Mother Teresa Women's State University and an M.Phil from Pondicherry Central University, where she achieved the Gold Medal and secured the first rank. She currently serves as a Ratified Associate Professor under JNTUA and has dedicated over 25 years to academia, with a notable 22-year tenure at SITAMS, Chittoor. Her scholarly contributions are remarkable, with 40 research articles, 37 conference presentations, 3 patents, a textbook, and two book chapters. Dr. Umamaheswari has also successfully completed UGC and AICTE-funded research projects, receiving significant grants. She has mentored 4 Ph.D. scholars under JNTUA's guidance. In addition to her academic achievements, she plays a pivotal role as the Women Empowerment Cell Coordinator and Women Ambassador under JNTUA, providing leadership and support to female students. Dr. Umamaheswari's excellence has been recognized with several awards, including the Educationalist Professionals Award, the "Best Teacher Award," and the "Best Academic Performance" accolade from SITAMS. She also received the "Best Paper Award" from SNDT Women's University. She is an esteemed reviewer for ASTES Journal, an Honorary Editorial Board Member and Consulting Editor at Innovative Scientific Research Professional, Malaysia, and



**Mrs. S. Triveni**, *Faculty of Pharmaceutical Sciences, Raghavendra Institute of Pharmaceutical Education & Research (Autonomous), Krishnamreddy Palli Cross, Ananthapuramu*, is an Assistant Professor in the Department of Pharmaceutical Chemistry and the Coordinator of the Women Empowerment Cell at Raghavendra Institute of Pharmaceutical Education and Research (RIPER), affiliated with JNTUA. With 12 years of experience in teaching and research, she has made significant contributions to the field of Pharmaceutical Chemistry. She completed her B. Pharmacy from Jagan's College of Pharmacy, Nellore, and her Master's degree in Pharmaceutical Chemistry from Sri Padmavathi School of Pharmacy, Tirupati. She is currently pursuing her Ph.D. at Manipal University. Mrs. Triveni has published 16 papers in reputed international and national journals and authored a book titled "Experimental Pharmaceutical Biochemistry." She is an active participant in conferences, seminars, and workshops and is a life member of several professional bodies, including the Indian Pharmaceutical Association (IPA), IPGA, and the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) India, Andhra Pradesh Regional Chapter.

## NSS AWARDS - 2024



**Prof. K. Sesha Maheswaramma**, Professor of Chemistry, JNTUA College of Engineering (Autonomous), Pulivendula YSR District, has been a valued member of the Department of Chemistry at JNTUA College of Engineering Pulivendula since November 2006, and she currently serves as the Head of the Humanities & Basic Sciences Department. With over 22 years of teaching experience, she is deeply committed to research, particularly in areas aligned with Sustainable Development Goals (SDGs). She has earned prestigious fellowships, including the Science Academies (IASc-INSANA-NASI) Summer Research Fellowship in 2013 and 2014, and the INSA Visiting Scientist Fellowship for 2017 and 2018. She was also nominated as an Associate Fellow of the Andhra Pradesh Academy of Sciences in 2020. Prof. Maheswaramma has published over 60 research articles and book chapters, and presented more than 30 papers at national and international conferences, receiving several awards for her presentations. She has authored a book on Engineering Chemistry and successfully coordinated the translation of numerous textbooks under the AICTE Technical Book Writing scheme. Her contributions extend beyond academia; as an NSS Programme Officer, she has organized over 200 awareness programs, 50 blood donation camps, and numerous environmental and health initiatives. She is recognized for her dedication to societal upliftment, environmental conservation, and public service, receiving many awards at various levels.



**Mr. J. Suresh Babu**, K.S.R.M. College of Engineering (Autonomous), Yerramasupalli (V), Chintakomma Dinne (M), YSR District, has led a series of transformative community-focused initiatives at KSRMCE. His tireless work in organizing medical and health camps has provided essential healthcare services to underserved populations, offering free medical check-ups, consultations, and treatments. Under his leadership, commemorative days have become powerful platforms for raising awareness on disease prevention, mental health, and environmental conservation, reminding us of the ongoing need for advocacy in these critical areas. In the digital age, Mr. Suresh Babu has been a pioneer in promoting the benefits and security of digital payments, fostering financial inclusivity and transparency. His efforts in the Swachh Bharat Abhiyan have led to significant improvements in waste management and public cleanliness, creating healthier environments. His promotion of International Yoga Day has encouraged physical fitness and emotional well-being, contributing to healthier, happier lives. During the COVID-19 pandemic, his advocacy on preventive measures and vaccination played a crucial role in saving lives and mitigating the virus's impact. Mr. Suresh Babu's compassion is evident in his blood donation drives, support for orphans and old age homes, and special initiatives in adopted villages. His leadership has addressed vital needs in education, healthcare, and infrastructure. A standout achievement was his role in the live webcasting during the Assembly Elections for the Badvel Constituency, exemplifying transparency and accountability in the democratic process. In summary, Mr. Suresh Babu's exemplary service as an NSS Programme Officer reflects his dedication, compassion, and commitment to community development. His inspiring work has enriched many lives and continues to set a standard for future endeavors.



**Mr. Vadithya Ashok Naik**, Student of JNTUA College of Engineering, Kalikiri, Annamayya District, Bearing roll number 20KA1A0403 ECE Department student and NSS Volunteer (2020-2024) Unit I of JNTUA College of Engineering Kalikiri, a dedicated student from the ECE Department of JNTUA College of Engineering Kalikiri, who has exemplified outstanding commitment as an NSS Volunteer. During his tenure from 2020 to 2024, he has been actively involved in various impactful initiatives, including a special camp at Marrikuntapalli Village. His contributions there encompassed Swachh Bharat, free medical camps, tree planting, women empowerment, school dropout surveys, and awareness programs on plastic-free environments. Mr. ADITHYA has been instrumental in creating awareness in schools about nutrition, digital apps, education, environmental protection, and gender issues. In addition to his NSS contributions, he is a life member of the Indian Red Cross Society, a Youth Red Cross Volunteer, and has participated in the Unnat Bharat Abhiyan and inter-university sports events. His dedication has been recognized with an Appreciation Certificate from the District Collector for academic excellence and from the Okinawa Martial Arts Academy for his achievements in martial arts.



**Ms. Balli Nireesha**, Student of Geethanjali Institute of Science & Technology (Autonomous), Kovvur (M), SPSR Nellore District, a dedicated NSS volunteer from our institution, GIST. Currently pursuing her IV B.Tech in ECE, Ms. Nireesha has demonstrated exceptional commitment to community service and personal development through her active involvement in various NSS initiatives. Ms. Balli Nireesha has significantly contributed to our NSS unit by participating in and organizing impactful social service activities, including tree plantations, blood donation camps, health camps, and awareness rallies. Her dedication to these causes has extended beyond our district, reflecting her profound commitment to societal betterment. She represented our institution with distinction at the National Integration Camp 2024 in Hyderabad and the National Youth Festival 2022-23 in Dharwad. Her exemplary service and enthusiasm have earned her a well-deserved nomination for the University Level NSS Awards for the academic year 2023-2024. We wholeheartedly support and recommend Ms. Balli Nireesha for this prestigious award, recognizing her unwavering dedication and significant contributions to the social and national development through NSS activities.

## Granted Patents



**Dr. H. Sudarsana Rao**, Professor in Civil Engineering & Vice-Chancellor i/c, JNTUA & **Dr. Vaishali. G. Ghorpade**, Professor in Civil Engineering & Director, Research & Development, JNTUA has been Appreciated by the University for acquiring a patent Patent No. 174475 for their innovative work titled “Concrete Test Hammer” This patent was granted by the Intellectual Property Office, Government of India.



**Dr. C. Sashidhar**, Professor of Civil Engineering, JNTUA College of Engineering, (Autonomous) Ananthapuramu, has been Appreciated by the University for acquiring a patent (Design No: 386175-001) for his innovative work titled “A Device for Self Healing Concrete.” This patent was granted by the Intellectual Property Office, Government of India.



**Dr.S. Aruna Mastani**, Associate Professor of Electronics and Communication Engineering, JNTUA College of Engineering (Autonomous) Ananthapuramu, has been Appreciated by the University for acquiring a patent (Patent No. 518011) for her innovative work titled “A Novel Architecture for Multiplier Accumulation Unit.” This patent was granted by the Intellectual Property Office, Government of India.



**Prof. N.Visali**, Professor of Electrical & Electronics Engineering, JNTUA College of Engineering, (Autonomous) Ananthapuramu, has been Appreciated by the University for acquiring a Patent (Design No. 6365755) for her innovative work titled “Energy Efficient Plug.” This patent was granted by the Intellectual Property Office, Government of India.



**Dr.M. Murali Naik**, Assistant Professor (Adhoc), of Chemical Engineering Department, JNTUA College of Engineering (Autonomous) Ananthapuramu, has been Appreciated by the University for acquiring a patent (Design No. 395018-001) for her innovative work titled “Enhancing English Instruction In Higher Education With Mobile Technology And Artificial Intelligence.” This patent was granted by the Intellectual Property Office, Government of India.

## 15<sup>th</sup> Sports Council Meeting @ JNTU Anantapur

The 15<sup>th</sup> Sports Council meeting was convened on **06-09-2024** at JNTU Anantapur, chaired by the Vice Chancellor i/c Prof. H. Sudarsana Rao along with Registrar Prof. S. Krishnaiah. The meeting brought together university officials principals, Physical Directors from all constituent and Affiliated Colleges to discuss the Sports Activities for the Academic Year 2023-24 and plans for the upcoming year.

### Key Points Discussed

**Sports Activities for 2023-24:** The Vice Chancellor outlined the sports programs conducted during the past year and presented plans for the upcoming academic year.

**Participation in Competitions:** Urge for adequate financial support to facilitate participation in All India and South Zone Inter-University competitions for the academic year 2024-25.

**Setting Up University Sports:** The Vice Chancellor emphasized the need to enhance the university's sports infrastructure and promote a more robust sports culture within the institution.

The meeting served as an essential platform for strategizing the university's approach to sports and physical education, fostering collaboration among various colleges and officials to enhance athletic participation and performance in the upcoming year.



## Engineers' Day Celebration @ JNTU Anantapur

JNTU Anantapur celebrated Engineers' Day on **September 15, 2024**, honoring the legacy of **Sir Mokshagundam Vishweshwaraiah**. A floral tribute was placed at his statue on campus, attended by esteemed university officials and faculty.

• **Floral Tributes:** Incharge Vice Chancellor Prof. H. Sudarshana Rao, OSD to VC Prof. N. Devanna, and other university and college leaders paid homage to Sir Mokshagundam Vishweshwaraiah with floral garlands.

• **Vice Chancellor's Address:** Prof. Sudarshana Rao emphasized the significance of Engineers' Day, stating that it will be celebrated annually in honor of Vishweshwaraiah's legacy. He praised Vishweshwaraiah as a pioneering

engineer and a national icon, inspiring engineers to contribute to the nation's development.

• **Participation:** The event saw participation from university directors, faculty, and staff, including Prof. P. Chenna Reddy, Principal of Anantapur Engineering College, along with teaching

The celebration highlighted the critical role of engineers in societal and economic development, reflecting on Sir Mokshagundam Vishweshwaraiah's impactful contributions. The event not only commemorated his legacy but also inspired current and future engineers to strive for excellence in their fields.





## Health Awareness Camp @ JNTU Anantapur

A health awareness camp organized by NSS Unit III in collaboration with **KIMS Savira Hospital** was held at Anantapur Engineering College on **13.09.2024**, focusing on gastric health and overall well-being. The event featured expert speakers and offered valuable insights into healthy living and dietary practices.

### Key Highlights

**Principal's Address:** The Principal emphasized the importance of addressing gastric issues linked to unhealthy habits, such as smoking, alcohol consumption, and poor dietary choices. He urged staff and students to incorporate daily exercise into their routines.

### Expert Talks:

**Dr. N. Mohammed Shahid (Gastroenterologist)** noted that 20-60% of individuals suffer from gastric problems, advocating for good eating habits and the avoidance of smoking.

**Dr. V. Varaprasad Reddy (Orthopedic Specialist)** highlighted the need for strong bones, recommending a diet rich in greens, fruits, and dairy.

**Health Screenings:** Participants were encouraged to take advantage of various medical tests, including checks for fatigue, eye health, cardiovascular wellness, and swelling issues.

The camp not only raised awareness about gastric health but also provided practical solutions for managing acidity. The collaborative efforts of the NSS Unit and KIMS Savira Hospital exemplify JNTU's commitment to promoting health and well-being among its community. For ongoing support, students and staff are encouraged to reach out to health professionals for personalized advice and treatment.



## JNTU Anantapur Hosts State - Level ISTE Meeting

On **September 18, 2024**, JNTU Anantapur University's Vice Chancellor *i/c*, Prof. H. Sudarshana Rao, chaired the state-level executive meeting of the Indian Society for Technical Education (ISTE). The meeting featured Prof. G. Ranga Janardhana as the Chief Guest and was attended by various prominent members of the academic community.

During the meeting, Prof. Sudarshana Rao outlined plans for the National Award for 2023-24, which aims to recognize outstanding talent among colleges, educators, and students. The main event for the awards ceremony is scheduled to take place on October 25 at Pullareddy Engineering College in Kurnool.

In addition to discussions on the awards, Prof. Sudarshana Rao was honored by the ISTE State Level Working Committee members for his contributions to technical education. The meeting also included participation from executive members Prof. P. Ravindra Babu, Dr. T.S.S. Ba-

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laji, and Prof. L. Shiva Prasada Reddy, along with State Managing Committee members Dr. K. Vijaya Bhaskar, Prof. JVN Raju, well as University Director Prof. P. R. Bhanu Murthy.

The gathering emphasized the importance of innovation and collaboration in enhancing technical education across the state, setting a promising tone for the upcoming awards event.





# Internal Hackathon for Smart India Hackathon (SIH) 2024

## Introduction

On September 18, 2024, Anantapur Engineering College hosted the *Smart India Hackathon (SIH) 2024*, an initiative by the Union Ministry, the Central Human Resources Department, and the All India Technical Education Council. The event aims to harness the innovative potential of youth and encourage the development of practical solutions across various subjects.

JNTUA College of Engineering successfully conducted an **Internal Smart India Hackathon (SIH) 2024** on 18 – 09 – 2024. This internal hackathon was a preparatory event for the national-level SIH, with 35 teams from various departments actively participating. The hackathon aimed at providing innovative solutions to the problem statements defined by the SIH 2024.

### Event Inauguration:

The event was inaugurated by the esteemed Principal of JNTUA College of Engineering, Dr. Chenna Reddy, who encouraged students to leverage their knowledge and skills to develop creative solutions to real-world challenges.

### Problem Statements:

Participants were given various problem statements drawn from different domains as per the SIH 2024 guidelines. The hackathon provided a platform for the students to showcase their problem-solving capabilities by working on these real-world challenges.

### Judging Panel:

A distinguished panel of judges was invited to evaluate the solutions presented by the participants. The judges for the event were:

- *Prof. P. Ramana Reddy*
- *Prof. R. Rajeskar*
- *Dr. M. Ramsekhar Reddy*
- *Prof. C. Shobha Bindu*
- *Prof. S. Chandra Mohan Reddy*
- *Mr. M. Kalyan Kumar*

The judges reviewed the solutions thoroughly, assessed the creativity, innovation, and feasibility of the ideas, and provided constructive feedback to each team.

### Feedback and Suggestions:

The judges offered valuable insights on how to improve the solutions and advised the students on refining their technical approaches, optimizing the execution, and ensuring that the solutions align with industry requirements.

Dr. G. Mamata and Dr. B. Om Prakash served as the coordinators for this significant event.



“Only through the right education can a better order of society be built up.”

- **Jawaharlal Nehru.**



# Role of Semiconductors in Chip Design

## Introduction

On 20-09-2024, Sivaraj, Product Manager at ASML in Brobrant, Netherlands, delivered an insightful presentation on the **Role Of Semiconductors In Chip Design**. The session, supported by a comprehensive Power Point presentation, aimed to elucidate the critical importance of semiconductors in modern electronic devices and the complexities of chip design.

## Key Highlights

Sivaraj began by defining semiconductors and explaining their crucial role in electronics, particularly in integrated circuits where they enable functions like amplification, switching, and signal modulation. He outlined the stages of chip design, from concept and architecture to manufacturing and testing, emphasizing the collaboration between hardware and software teams to achieve performance and power efficiency goals. Sivaraj highlighted recent advancements in semiconductor technology, including miniaturization, FinFET, and 3D stacking, which enhance chip performance and energy efficiency. He also discussed ASML's role in the industry, particularly its cutting-edge lithography systems es-

sential for producing advanced chips. Addressing challenges such as heat dissipation, power management, and design complexity, Sivaraj encouraged students to think critically about innovative solutions. He concluded by discussing future trends like AI integration, quantum computing, and the growing need for energy-efficient devices, urging students to stay updated as these developments will shape the future of chip design.

*-Report by Sivaraj Khamitkar, Product Manager at ASML, Netherlands.*



## Training of Master Trainers

## JNTUA Hosts One-Day Master Trainers Training Programme on Cybersecurity Awareness

On September 20, 2024, JNTUA Ananthapuramu held a **One-Day Master Trainers Training Programme on Cybersecurity Awareness**, in collaboration with the Indian government's **Information Security Education and Awareness (ISEA) Phase-3** project and the Centre for Development of Advanced Computing (C-DAC). The event took place at the Aryabhata Auditorium and was organized under the direction of the Faculty Development Centre, JNTUA.

The program was inaugurated by the Chief Guests, OSD to VC, Prof. M. Devanna, and Registrar of JNTUA Prof. S.Krishnaiah who emphasized the importance of the seminar for faculty members from affiliated colleges. He encouraged attendees to share the knowledge gained with their students and suggested that other colleges should conduct similar programs to promote cybersecurity awareness.

Prof. G. Prashanti, Director of Faculty Development, highlighted the conveniences of the digital world, while also addressing the significant threats it poses, such as malware, phishing, identity theft, and online scams. She stressed the need for vigilance in navigating the cyber landscape.

Mr. M. Jagadish Babu, Project Manager of ISEA, C-DAC, provided insights into essential precautions for maintaining safety in the cyber world. He announced

that the Ministry of Electronics & Information Technology, Government of India, would offer an incentive of Rs. 2000/- to each college that successfully organizes this program for 30 participants.

Dr. C. Ramakrishnayya, Chief Information Security Officer (CISO), shared knowledge on various cybersecurity practices, enriching the learning experience of all participants.

The event was supported by In-Charge Vice-Chancellor Prof. H. Sudarshana Rao and Registrar Prof. S. Krishnaiah. Approximately 160 attendees, including university directors, faculty members, Heads of Departments, and coordinators from affiliated colleges, participated in this significant initiative aimed at enhancing cybersecurity awareness in academic institutions.

This program reflects JNTUA's commitment to fostering a safer digital environment for its community.



## Talk by Alumni Chandana Anamala, Scientist at ISRO

### Introduction

On 20-09-2024 *Chandana Anamala, Scientist C at the Indian Space Research Organization (ISRO)*, delivered an engaging career guidance talk aimed at inspiring students interested in pursuing careers in science and technology, particularly in the space sector.

### Key Highlights

Chandana Anamala shared her journey from student to scientist at ISRO, emphasizing the importance of determination, curiosity, and a strong foundation in science and mathematics. She provided an overview of ISRO's mission and highlighted landmark projects, including satellite launches and interplanetary missions, while also discussing diverse career opportunities at ISRO for students in fields like engineering, physics, computer science, and humanities. Chandana stressed essential skills such as critical thinking, teamwork, and communication, encouraging students to develop these

through collaborative projects and internships. She touched on current trends in space technology, including the role of AI and data analysis in future missions, and concluded with a Q&A session, offering advice on educational paths, internships, and adaptability in the ever-evolving field of space exploration.



## One-Day Workshop on Cyber Security

A one-day workshop on *Cyber Security* was conducted on **21<sup>st</sup> September 2024** at JNTU-ACEA, Anantapur, for NSS volunteers. This initiative was organized by the college in collaboration with the Centre for Development of Advanced Computing (C-DAC), Hyderabad, under the Information Security Education and Awareness (ISEA) Project, supported by the Ministry of Electronics and Information Technology (MeitY).

The workshop aimed to enhance awareness among the NSS volunteers regarding the growing threats in the cyber world and equip them with the knowledge and skills to protect themselves and others from cyber-attacks.

The workshop commenced with an inaugural session where dignitaries Principal Prof. P. Chenna Reddy, Dr.G. Mamatha NSS Program Officer from JNTUA-CEA, representatives from C-DAC Hyderabad M. Jagadeesh Babu Project Manager and Dr.C.Ramakrishna Chief Information Security officer trainee addressed the gathering. The principal of JNTUACEA emphasized the importance of cyber security in the digital age and applauded the collaboration with C-DAC. Experts from C-DAC provided insights into common cyber threats like phishing, ransom ware, malware, and social engi-

neering, stressing the need for cyber security to protect personal and organizational data. Volunteers were introduced to cyber hygiene practices such as creating strong passwords, regularly updating software, identifying phishing scams, and avoiding suspicious links. A hands-on session allowed participants to use security tools and learn to identify vulnerabilities and mitigate risks. Additionally, the role of NSS volunteers in promoting cyber awareness within their communities and institutions was discussed, encouraging them to be proactive in spreading cyber security practices.

- **Report by : Dr. G. Mamatha, NSS Co-ordinator, Assistant Professor, ECE Department, JNTUA CEA.**





## GATE 2025 Interactive session by alumnus

**D**ear Sir/ Madam, Greetings of the day. It is being planned to conduct a **webinar** on **24.9.2024** (Tuesday) from 6.30 pm to 8 pm with the Speaker Sri. CVS Prasanna, Research Scholar, IISc, Bangalore. The speaker is an alumnus of JNTUA CEA 2018 Mech. **Topic: An online GATE 2025 Interactive Session.** Participants: 3<sup>rd</sup> and final year Students of UG Engineering branches and/ or any one who will be writing GATE 2025. It is jointly organized by IEEE ATPSS, IEEE HS SAC, IEEE HS EAC. The details of the topic, brief biodata of the Speaker etc. are sent separately. Pl

encourage, students, faculty, researchers. Your earnest cooperation is solicited in this regard.

For further details contact:

1. Dr. V. Sankar Chair IEEE ATPSS 94405 21774.
2. Sri Mahesh Neerati Chair IEEE Hyderabad Section (HS) Students Activities Committee (SAC) 99120 86752 .
3. Sri Tara Sai Kumar Chair IEEE HS Educational Activities Society (EAS) 98497 02404 .
4. Dr. V. Jayaprakasan Treasurer IEEE HS 98426 45 707.

### JNTUA College of Engineering Mourns the Loss of Wing Commander Mr. Chandrakanth Desai (Retd.)

**T**he JNTUA College of Engineering community is deeply saddened to announce the passing of **Wing Commander Mr. Chandrakanth Desai (Retd.)**, an **esteemed alumnus of the 1971-76 batch of Mechanical Engineering**. He left us on September 8, 2024, leaving behind a legacy of service, dedication, and inspiration.

Wing Commander Desai's illustrious career in the Indian Air Force was marked by remarkable achievements and an unwavering commitment to his country. His leadership and expertise not only earned him the respect of his peers but also set a benchmark for future generations of engineers and officers. After retiring from active service, he continued to contribute to society, embodying the values instilled in him during his formative years at JNTUA.

Born to **Dr. D. Jeebala Rao, the late Principal of JNTUA College of Engineering from September 1980 to October 1983**, Mr. Chandrakanth Desai was no stranger to the values of education and service. His father's dedication to academic excellence undoubtedly influenced Desai's own journey, shaping him into a leader who valued integrity, discipline, and hard work.

The college extends its heartfelt condolences to his family during this difficult time. We honor Wing Commander Chandrakanth Desai as an icon of JNTUA, a true patriot, and a remarkable human being whose legacy will endure in the hearts of all who knew him.

### Honoring a Legend: SP Balasubrahmanyam's Legacy at JNTUA.

The JNTUA College of Engineering takes immense pride in celebrating the legacy of the legendary playback singer, the late Shri S.P. Balasubrahmanyam, an esteemed alumnus of our institution. In recognition of his extraordinary contributions to music and the arts, he was awarded an honorary doctorate during the second convocation of JNTUA in 2010.

To further honor his memory recently this month, the Tamil Nadu state government has announced the renaming of Kamadar Nagar Main Road in Nungambakkam to "SP Balasubrahmanyam Road." This tribute not only commemorates his remarkable talent and achievements but also serves as a lasting reminder of his connection to JNTUA and his impact on the cultural landscape of India.

As we reflect on the life of this iconic figure, we remember his dedication to his craft and his ability to inspire countless individuals through his music. His legacy will continue to resonate within our college community and beyond.



## In Memoriam: Remembering Retired Professor Dr. K. Soundararajan

The JNTUA College of Engineering community mourns the passing of Retired **Professor K. Soundararajan**, a distinguished member of the Electronics and Communication Engineering (ECE) department, who left us on **September 16, 2024**.

Professor Soundararajan dedicated his career to the university, serving in various esteemed roles, including Principal of JNTUA College of Engineering and Rector of JNTUA University. His leadership and vision played a pivotal role in shaping the institution's academic landscape. In addition to his contributions at JNTUA, he was also a visiting professor at several other universities, sharing his expertise and inspiring a broader community of students and faculty.

With a deep passion for teaching and a wealth of



knowledge, he inspired countless aspiring engineers and made significant contributions to academic initiatives and projects that enhanced the learning environment at JNTUA. His commitment to education, research, and mentorship left a lasting impact on many.

As we remember Professor Soundararajan, we celebrate his legacy of excellence and the profound influence he had on the university community. His dedication to service and education will always be cherished, and he will be deeply missed by all who had the privilege of knowing him.

Our heartfelt condolences go out to his family, friends, and colleagues during this difficult time.



## NEWS FROM JNTUA CEA

### Swachhata Hi Seva Campaign on Cleaning Drive at Railway Station

On **28<sup>th</sup> September 2024**, a cleaning and collecting single usage plastic drive was organized at the railway station as part of the **Swachhata Hi Seva campaign**, which focuses on promoting cleanliness and hygiene in public spaces. Given that railway stations are high-traffic areas, maintaining cleanliness here is essential for passenger health and the overall image of public transportation. The event's main objectives were to clean and sanitize the entire station, raise awareness about cleanliness among passengers and staff, and encourage a collective sense of responsibility towards maintaining public hygiene.

The cleaning drive was planned in collaboration with the Railway Authorities and volunteers from JNTU-ACEA NSS UNIT-III. Key areas targeted for cleaning included the platforms, waiting rooms, ticket counters, washrooms, railway tracks, and the public spaces outside the station. The drive saw the participation of 100 volunteers. The initiative began at 2:00 PM and concluded at 6:00 PM.

Despite the success, there were challenges, such as the high footfall at the station, which made it difficult to clean all areas simultaneously without disturbing passengers. Some individuals continued to litter, even after certain areas had been cleaned. However, the overall

impact was positive, with the drive making a significant difference in the cleanliness of the station.

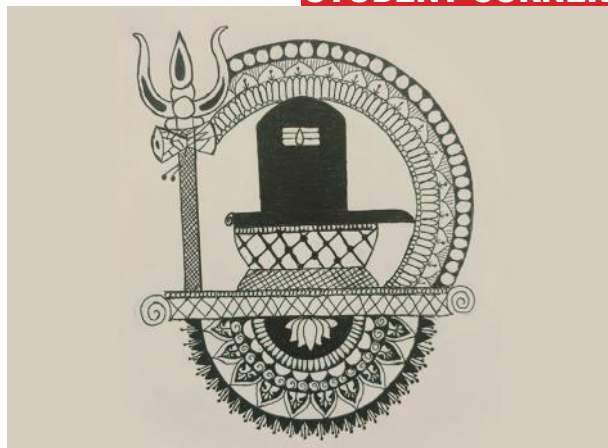
In conclusion, the cleaning drive at the railway station, under the Swachhata Hi Seva campaign, was a success under Principal of JNTUACEA Prof. P. Chenna Reddy and Program officer Dr. G. Mamatha, Prof.C.Sashidhar, Railway Station Master Mr M. Ashok Kumar and Health officer Harikrishna.

It not only improved the cleanliness of the station but also fostered a stronger sense of responsibility among passengers and staff. Continuous efforts and public participation will be necessary to sustain these improvements and ensure a cleaner, healthier environment in the future.





The art by **Ms. Guduru pratyusha** (Admission No: 23001A0348), B.Tech., 2<sup>nd</sup> Year, Mechanical Engineering, won for the First prize in Hand drawn Art Competition @ Student Club by JNTUA CEA.



The art by **Mr. Matapani Vivekananda**, (Admission No: 23001A0350), B.Tech. 2<sup>nd</sup> year, Mechanical Engineering, won for the Second prize in Hand drawn Art Competition @ Student Club by JNTUA CEA.



**I**n Association with Satya Sai Seva Samithi organization A.P. Anantapur District, essay writing competition was conducted on **25-09-2024** by Student Club

**Ms. Halaharvi Samhitha** Roll No: 21001A0532, B.Tech., IV Year, CSE, won for the First prize in Essay Writing Competition @ Student Club by JNTUA CEA.



Association of JNTUA CEA. The theme of the Essay writing competition was The Winners of the competition are as follows:

**Ms. Syed Zaiba Kouser** (Roll No: 22001A0835), B.Tech., III Year, Chemical Engineering, won for the Second prize in Essay Writing Competition @ Student Club by JNTUA CEA.



## SPORTS NEWS

- JNTUA Sports Council organized **15<sup>th</sup> Annual Sports Council Meeting** to be held on **06-09-2024** in the Vice – Chancellor's Chamber.
- JNTUA Sports Council organized JNTUA various team selection trials at venues & dates furnished below.  
**28-09-2024** - The Kandula Lakshamma Memorial College of Engineering for Women in Kadapa is organizing a shuttle badminton tournament for both men and women.  
**30-09-2024** - Santhi Ram Engineering College in Nandyal is hosting a ball badminton tournament for both men and women.



## NSS Establishment Day Celebrations @ JNTUA CEA

On September 24, 2024, JNTU Anantapuram Engineering College proudly celebrated the National Service Scheme (NSS) Establishment Day with a series of impactful service programs aimed at promoting community welfare and environmental sustainability.

The day commenced with a Blood Check-Up Camp, organized in collaboration with Humanitarian Blood Donors Organization.. This initiative provided students and faculty with essential health screenings, emphasizing the importance of regular check-ups and community health awareness.

The event was graced by College Principal Prof. P. Chenna Reddy, who emphasized the importance of blood donation. He encouraged everyone to donate blood every three months, highlighting that it is a healthy and fulfilling practice. Prof. Reddy urged all healthy individuals, particularly students, to participate in blood donation efforts to help save lives. Dr. Amarnath Reddy, the convener of the Humanitarian Blood Donors Organization, remarked that Anantapur, once known for its blood needs, has now become a hub for blood donation. He stressed the necessity of donating blood during emergencies and commended the volunteers for their commitment.

In the afternoon, NSS UNIT III Coordinator Dr. G. Mamatha led "Hee Seva Campaign," aimed to address

the pressing issue of plastic pollution. Students gathered in teams to collect single-use plastics around the campus and neighboring areas, raising awareness about the detrimental effects of plastic waste on the environment. This initiative not only aimed to clean up the surroundings but also educated participants on sustainable practices and the importance of reducing plastic usage in their daily lives.

The NSS team organized engaging activities throughout the day, Vice Principal Prof. S. Vasundhara, NSS Coordinators of other units, Humanitarian Institute Convener Salim Ali, various ex-perts, and numerous NSS volunteers, alongside faculty members and students from across the college, encouraged students to reflect on their role in society and the environment. The celebrations were marked by a spirit of volunteerism and camaraderie, reinforcing the values of service and responsibility that NSS embodies.



## NEWS FROM JNTUA



**KIA MOTORS**

## KIA Motors Representatives Meet JNTUA Administration for Collaboration

On September 25, 2024, representatives from KIA Motors held an official meeting with the administration of JNTU Anantapur to explore possibilities for mutual collaboration. The In-Charge Vice-Chancellor, Prof. H. Sudarshan Rao, emphasized the importance of providing students with internship and job opportunities, advocating for KIA to facilitate visits for both faculty and students to strengthen industry ties.

Following the meeting, the KIA team visited various departmental labs at JNTUA Anantapur Engineering College, expressing satisfaction with the facilities, particularly the Siemens Labs, where they learned about the advanced technologies in use.

KIA representatives, including Sri Hong Sung Park, Sri Hangu Kim, Srihan, Sri Uma Shankar Patnaik, Sri Ramesh Babu, and MS. Vijay Pai, are expected to discuss the outcomes of their visit with their officials and announce the next steps for collaboration.

The meeting was attended by key figures such as OSD

to VC Prof. N. Devanna, Registrar Prof. S. Krishnaiah, Placement Director Prof. N. Vishali, College Principal Prof. P. Chenna Reddy, DAP Coordinator Dr. Aruna Mastani, HOD Dr. Kalyani Radha, Dr. M. Rama Shekhara Reddy, Placement Coordinator J. Srinivas, and others. Hope this engagement marks a significant step toward enhancing career prospects and educational opportunities for JNTU students .



## JNTUA Honored with 'Making India Employable Award' for 2024

A meeting was convened on 28<sup>th</sup> September 2024 in the VC's Conference Hall under the Chairmanship of the Hon'ble Vice-Chancellor i/c. The primary focus of the meeting was JNTUA's receipt of the prestigious 'Making India Employable Award' for 2024 at the India Employer Forum and the India Education Forum held in Mumbai on 25<sup>th</sup> September 2024.

Prof. S.V. Satyanarayana, who received the award on behalf of JNTUA, handed over the award to the Vice-Chancellor i/c during this meeting. The Vice-Chancellor i/c expressed his appreciation for the recognition and praised the collective efforts of the faculty, staff, and students of the university in making this achievement possible. He reiterated that the award is a reflection of JNTUA's commitment to bridging the gap between education and employability, fostering industry-ready graduates.



### Call for Contributions to Tech Ananth Magazine

The JNTUA fraternity, including all students, faculty, and alumni, is invited to contribute to the monthly illustrated online e-magazine, Tech Ananth. We encourage you to share your insights, achievements, and stories to enrich our publication.

#### **Submission Guidelines:**

**Content Types:** Reports of significant events, details of awards, prestigious assignments, funded projects, success or inspirational stories from alumni, and articles on Science and Technology that stimulate technical and scientific thinking.

- **Student Activities:** Include images of students receiving awards or participating in events. Highlights of academic, sports, and extracurricular achievements.
- **Creative Sessions:** Poems, Small Stories, Art Galleries, Photographs, etc.
- **College Events :** Coverage of Workshops, Guest Lectures, Fests & Cultural Activities Clubs, etc.

**Submission Details:** Please include your full name, designation, college, department, mobile number, and email ID for correspondence.

**Email for Submissions:** Send your contributions to the editorial team at [emagazine@jntua.ac.in](mailto:emagazine@jntua.ac.in).

We look forward to receiving your valuable contributions and showcasing the vibrant achievements and advancements within our community.

#### **Editorial Team**

[emagazine@jntua.ac.in](mailto:emagazine@jntua.ac.in)

*The google link will be provided soon.*



# Inaugural Event of ELECTRONICS CONNECT

## Introduction

JNTUA The inaugural event of the **ELECTRONICS CONNECT** program was held on **28-09-2024** at ECE Department Seminar Hall. This initiative aims to bridge the gap between current students and alumni, providing valuable insights into the industry and enhancing placement opportunities through a series of webinars. The event was graced by faculty members, students, and esteemed alumni who participated in an interactive session centered on the automotive industry.

The event started with a brief introduction about our legacy program called as **ECHO** (Electronics and Communication Heuristic Organization). The key feature of this organization is "**Alumni Interaction**" which for fostering connections. So as a part this program we have launched this program called "**ELECTRONICS CONNECT**".

### Lamp Lighting Ceremony

The event commenced with a traditional lamp lighting ceremony led by our esteemed faculty. This symbolic gesture marked the beginning of the program, reflecting the illumination of knowledge and the fostering of connections between the college and its alumni.

### Logo Competition

In preparation for the launch of **ELECTRONICS CONNECT**, a logo competition was conducted, encouraging students to showcase their creativity. After a rigorous selection process, the winning logo was unveiled during the event. **The winner, Mr. R. Surya Manikanta** received a small prize, celebrating their artistic contribution and symbolizing the program's identity.



### Program Overview

Following the logo reveal, the student coordinator, B. Manohar, delivered a brief description of the **ELECTRONICS CONNECT** program. He emphasized the importance of alumni engagement in enriching the educational experience and enhancing placement prospects for students. Manohar outlined the program's structure, which includes regular webinars, Q&A sessions, and industry insights, aiming to equip students with the knowledge and skills needed to excel in their

careers. **ELECTRONICS CONNECT** will serve as a dynamic platform where you can engage with alumni who have successfully ventured into diverse fields. Through online interactions, you'll have the opportunity to gain invaluable insights into industry trends, receive personalized career advice, and explore exciting internship and placement opportunities.

### Faculty Address

The faculty then addressed the gathering, highlighting the significance of maintaining strong connections with alumni. They underscored how these interactions provide current students with valuable perspectives on industry trends and expectations. The faculty expressed gratitude to the alumni for their willingness to share their experiences and insights, reinforcing the collaborative spirit of the **ELECTRONICS CONNECT** initiative.



### Alumni Webinar Session

The highlight of the event was the interactive session with alumni Mr. Manohar Chenekala, who joined us via a virtual meet. They shared their experiences in the automotive industry, discussing emerging trends, challenges, and opportunities. The alumni emphasized the importance of staying updated with technological advancements and acquiring relevant skills to enhance employability.

### Q&A Interactive Session

Following the alumni presentations, an engaging Q&A session was conducted, where students actively participated by asking questions related to placements, industry expectations, and career pathways. The alumni provided thoughtful answers, sharing their personal journeys and offering advice on how to navigate the complexities of the job market.

### Conclusion

The inaugural event of **ELECTRONICS CONNECT** was a resounding success, fostering a sense of community among current students and alumni. By facilitating meaningful interactions, the program aims to empower students with the knowledge and connections necessary for successful careers in the electronics field. As we move forward, **ELECTRONICS CONNECT** will continue to serve as a vital platform for learning, networking, and professional development, bridging the gap between academia and industry.

We extend our heartfelt gratitude to all participants, especially our alumni, who took the time to connect and share their insights, making this event truly memorable.



## Freshers' Day Celebrations @ JNTUA CEA

To welcome the Freshers of B.Tech for the academic year 2024-25, the **FRESHERS DAY-2024** was conducted by Students Club Association of JNTUA CEA. The formal inauguration of the Freshers' day was held on **28<sup>th</sup> September 2024** at 11.00am. Main building Auditorium, JNTUA CEA. The event was convened by Prof. P. Chenna Reddy, Principal of the College and Co- Convener of the programme Prof. S. Vasundhara, Vice Principal of the College and Faculty Coordinator Dr.R.Manjula, Associate Professor of English, Department of Science & Humanities and student Coordinator D. Mahesh. The event started with a prayer by the students followed by the ceremonial lamp lighting by dignitaries. The event was dedicated to traditional welcome new students to college community. The event was graced by the Vice chancellor of University, Prof. H. Sudarsana Rao as the chief guest of the programme, who delivered welcome address. Prof. P. Chenna Reddy, Principal of the College and Prof. S. Vasundhara, Vice Principal of the College and Faculty Coordinator Dr.R.Manjula, and Student coordinator who extended their greetings to the fresher's and encourage them to actively participate in college life.

The event was a memorable day for every fresher of

B.Tech batch 2024-25. Students showcased their talent through dance music and drama performances that captivated audience attention. This spectacular event marked the initiation of new academic year for Ist B.Tech students. This event was successfully conducted in the direction of student club Coordinator D. Mahesh and other coordinators took active part in the event.

Former Vice Chancellors, Directors, University Officials, Professors, and various head of the departments and nearly 400 students from various departments attended the Fresher's day.



### Cultural Programs by Students



## Affiliated Colleges News

### • Events Organized during the Month of September 2024.

- MITS Principal is awarded Sri G. Krishna Kumar Memorial State Award for “Best Engineering College Principal-2023”.
- KagithiBhargavi, a B.Tech (EEE) student from MITS, has been awarded the Ashok Raju Siddharth Institutions State Award for “Best Electrical and Electronics Engineering Student” in Andhra Pradesh, sponsored by Siddharth Institute of Engineering & Technology, Puttur.
- KarthikKovi, a B.Tech (CSE) student from MITS, has received the AITAM State Award for “Best Student Innovator from an AP Engineering College”, sponsored by Aditya Institute of Technology and Management, Tekkali.
- An Awareness Program conducted on “CISCO Networking” Organised by Department of CSE-AI&ML on 02.09.2024 at MITS – Madanapalli.
- A one-day event on “Teachers Day Program” organised by Department of Civil Engineering on 05.09.2024 at MITS – Madanapalli.
- A one-day event on “Engineers’ Day” organised by Department of Civil Engineering in association with ASCE MITS Student Chapter on 15.09.2024 at MITS – Madanapalli.
- A one-day event on “Ideathon Competition on Innovative Ideas for Climate Protection” organised by Department of Civil Engineering in association with ASCE MITS Student Chapter on 17.09.2024 at MITS – Madanapalli.
- A one-day Industrial Visit to “POWERICA Limited, Bangalore for the Inspection of 500 kVA Diesel Generator (D.G.) Set” Organised by Department of Electrical & Electronics Engineering on 19.09.2024 at MITS – Madanapalli.
- A one-day Industrial Visit to “CSIR Structural Engineering Research Center, Taramani, Chennai” Organised by Department of Civil Engineering on 26.09.2024.
- A Five-days National Level Faculty Development Programme on “Artificial Intelligence & Data Analytics” organised by Department of CSE- Artificial Intelligence from 16.09.2024 to 20.09.2024 at MITS - Madanapalli
- A 2<sup>nd</sup> International 5-Day Faculty Development Program (FDP) on “Sustainability and Research in Modern Mechanical Engineering ” organised by Department of Mechanical Engineering from 23.09.2024 to 27.09.2024 at MITS - Madanapalli
- A Three-day’s Workshop on “Hands-on 3DP Workshop on Design Optimization and Part Printing” organised by Department of Mechanical Engineering in association with ISTE student chapter on 12.09.2024 at MITS - Madanapalli
- A Five-day’s Workshop on “Community Outreach Program for ATAL Schoos “Designing the Digital World: An Introduction to Web Development” organised by Department of CSE- Data Science from 09.09.2024 to 13.09.2024 at MITS – Madanapalli.
- The NSS Cell at MITS - Madanapalli also organized “Teacher’s Day” on September 5, 2024.
- On September 12, 2024, the NSS Cell at MITS - Madanapalli collected funds for the Chief Minister’s Relief Fund from the college community.
- The NSS Cell at MITS organized an awareness program on “Swachhata hi Seva” on September 25, 2024. MITS - Madanapalli NSS Cell celebrated “NSS Day” on September 25, 2024.
- Another awareness program titled “Swachhata hi Seva” was conducted by the NSS Cell at MITS - Madanapalli on September 30, 2024.
- One day Seminar on “ Latest trends in VLSI and Career counselling ” on 09.09.2024 at Chaitanya Bharathi Institute of Technology.
- Our respected Principal, Dr. C. MadhusudhanaChetty, Santhiram College of Pharmacy received the Best Principal Award from JNTU Anantapur (JNTUA) for his exemplary leadership and contributions to the institution. His dedication and commitment to fostering a high standard of education were praised during the event.
- World Suicide Prevention Day organized on 10-09-2024 at Santhiram College of Pharmacy. NSS FOUNDATION DAY was organized on 24-09-2024 at Santhiram College of Pharmacy.
- An Expert Lecturer on “Semiconductor Industry Opportunities for Physical Design Automation” conducted on 19.09.2024 was organized by Dr.K.Neelima, Asst Professor Dept of ECE at Sree Vidyanikethan Engineering College, Tirupati.
- Mr. Anil Kumar N organized an Expert lecture from Industry (Cranes Varsity, Bangalore) with a title “Futuristic approach towards Embedded and VLSI industry” on 25.09.2024 at Sree Vidyanikethan Engineering College, Tirupati.
- Advances in Artificial Intelligence and Machine Learning by Mr. T. Ganesh Reddy CEO & Founder Conzura Soft Solutions in association with IEEE-Industry Application Society student chapter and 50 students participated from 02.09.2024 to 04.09.2024 at Sree Vidyanikethan Engineering College, Tirupati.
- A one week student development program on “Integrating Renewable Energy And Digital Technology For Sustainable Agriculture: Innovations And Applications” Organized by Department of Electrical and

Electronics Engineering Under Rural Development Club and MBU IEEE Student Branch 19th to 23rd September 2024 at Sree Vidyanikethan Engineering College, Tirupati.

- A one-week faculty development “Innovating for the Future: Leveraging and Navigating Intellectual Property Rights” during programme is organized by Department of CSE 17-21 September 2024 in Association with AICTE IDEA Lab. at Sree Vidyanikethan Engineering College, Tirupati.
- NSS, Bhuvana Vijayam and Extension Activities forums of GPREC conducted “Campus Cleaning Program” on the occasion of NSS formation Day, on 24th September 2024. Number of students participated is 50.
- The NSS Cell Bhuvana Vijayam and Extension Activities forums of GPREC conducted “Campus Cleaning Program” on the occasion of NSS formation Day, on 24th September 2024. Number of students participated is 50 at G. Pulla Reddy Engineering College, Kur-nool
- The NSS department at SVCE Tirupati has successfully collected a total of Rs. 46,000 to support Mr. V. Kou-shik, a student in need of a bone marrow transplant. The collected funds were handed over to his father to help alleviate the financial burden associated with the medical procedure. We extend our gratitude to all the faculty, staff, and students who contributed to this noble cause.
- Online Faculty Development Program on “Transforming Electric Vehicle Design & Battery Management System with Artificial Intelligence and Machine Learning Techniques” Under the ATAL-Online 6 Day Faculty Training Programme 2024-25 by Dr.V. Laksh-midevi & Dr.K Kumar at Sri Venkateswara College of Engineering, Tirupati.
- Dr V Madhurima ,Associate Professor and Dr C Raju, Professor ECE Department received grant in aid of Rs 1,00,000/- to organize a seminar on “AI driven VLSI Design and signal Processing” under “assistance to professional bodies & seminar /symposia Scheme” on 04-092024 & 05-09-2024 at Sri Venkateswara College of Engineering, Tirupati.
- Dr. Keerthipati Kumar, Associate Professor from CSE (DS) and D. Lavanya, Assistant Professor from CSE(DS) attended the National Conference on “CHIP-DESIGN AND IOT APPLICATIONS” (NC-CDIA-2024) paper titled “Machine Learning-Driven Intelligent System Design for Malware Detection in Internet of Things(IoT)” at SV College of Engineering in association with Department of Electronics and Communication Engineering.
- September 10, 2024: Dr. CH Pallavi, Assistant Professor, successfully completed the Viva-Voce for her Ph.D. degree from S.V. University, Tirupati, on the topic “High Speed Underwater Optical/Acoustic

Communication through a Novel Hybrid MI-MO-OFDM based Opto-Acoustic Modem.”

- September 18, 2024: Dr. K. Anantha Kumar, Associate Professor of Mathematics, was recognized as one of the Top 2% Scientists announced by Stanford University for the year 2024.
- September 18, 2024: Dr. K. Upendra Raju, Associate Professor, received appreciation for serving as a Reviewer for the IEEE International Conference CVMi at IIIT Jhalwa, U.P.
- In September 2024, Dr. Keerthipati Kumar, an Associate Professor in the Department of Computer Science and Engineering (Data Science) at Sri Venkateswara College of Engineering, published a book titled “Cyber Forensics Fundamentals.” The book was released by Scientific International Publishing House (SCIPH), with the ISBN 976-93-6674-149-9.
- V. Lakshmi Dev i&K. Kumar (2024). Professor, Dept of Electrical and Electronics Engineering, at Sri Venkateswara College of Engineering, Battery Technology Handbook: Classification, Control, and System Integration – Comprehensive Guide to EV Battery Design and Management Systems. ISBN: 9798895567876.
- Online Faculty Development Program on “Transforming Electric Vehicle Design & Battery Management System with Artificial Intelligence and Machine Learning Techniques” Under the ATAL-Online 6 Day Faculty Training Programme 2024-25 by Dr.V. Laksh-midevi & Dr.K Kumar at Sri Venkateswara College of Engineering, Tirupati.
- Dr V Madhurima ,Associate Professor and Dr C Raju, Professor ECE Department received grant in aid of Rs 1,00,000/- to organize a seminar on “AI driven VLSI Design and signal Processing” under “assistance to professional bodies & seminar /symposia Scheme” on 04-092024 & 05-09-2024 at Sri Venkateswara College of Engineering, Tirupati.
- A seminar on “Development of Sustainable and Bio-Degradable Polymers,” organized by the Department of BS&H at Sree Rama Engineering College on September 26, 2024, provided students with valuable knowledge about the applications of biodegradable polymers in various areas of medicine, in contrast to conventional plastic polymers. The seminar had a total of 460 participants.
- An internal hackathon organized by the IIC cell in association with the Department of CSE for the Smart India Hackathon was held on September 30, 2024, at Sree Rama Engineering College. The Smart India Hackathon (SIH) aims to promote innovation and out-of-the-box thinking among young minds and seeks to institutionalize a model for harnessing the creativity and technical expertise of students. The event had a total of 180 participants.

- The Airports Authority of India (AAI) has signed a groundbreaking Memorandum of Understanding (MoU) with K.S.R.M. College of Engineering (A) Kadapa! on 08th August, 2024. This strategic partnership aims to foster collaboration in research, technology development, and academic initiatives, enhancing the future of aviation and engineering.
- Dr. B. Rasheeda Begum, Associate Professor in the Department of Humanities and Sciences, has published a textbook entitled Indian Literature with REST Publishers, ISBN No. 978-81-975640-9-3, at KSRM College of Engineering.
- Dr. B. Veera Sankar, and Dr. G. Radha, Associate Professors, Department of Humanities and Sciences, published a textbook entitled Differential Equations and Vector Calculus, Research India Publications, ISBN: 978-93-92437-84-7. at KSRM College of Engineering.
- The Research and Development Cell conducted an internal Smart India Hackathon 2024 on September 5, 2024, at KSRM College of Engineering. Around 25 teams participated in the event.
- The Placement Cell of Annamacharya College of Pharmacy in Rajampet organized a webinar titled “Preparing to Get You Placed in a Promising Career” by Ashok Thulluru, Training and Placement Officer at Sandip University, School of Pharmaceutical Sciences, Nasik, Maharashtra, on September 3, 2024.
- Paruchuri Lavanya, Assistant Professor of English in the Department of Basic Sciences at Santhiram Engineering College, Nandyal, presented a paper entitled “Synthetic Souls: Emotional Complexity in Asimov’s Robots” at the International Conference on Trauma and Resilience: Holistic Literary Approaches to Understanding and Healing, organized by GNT College of Arts in Dindigul, Tamil Nadu.
- The SREC IEEE Student Branch, IEEE Communication Society, and Department of ECE organized a workshop titled “Explore Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer,” facilitated by Dr. C. Kumar, Chair of the IEEE Communication Society, Hyderabad Section, and Mr. V. Tamilkumaran, Manager at Tata Communications Pvt. Ltd., Chennai. The workshop took place on September 18 and 19, 2024, at Santhiram Engineering College, Nandyal, with a total of 70 participants.

## LENS TECH



Announcement of Semester End Results by JNTUA CEA - 04.09.2024



21.09.2024 - The Vice-Chancellor i/c, of Ananthapuramu attended a virtual meeting hosted by the APSCHE Chairman, to discuss NIRF rankings. Also present were the Registrar, Director of Academic Planning, Director of IQAC, and Vice-Chancellors from Andhra University, Sri Venkateswara University, Acharya Nagarjuna University, SK University, Yogi Vemana University, Vikrama Simhapuri University, and JNTU Kakinada.

**University News**



1. **02-09-2024:** BoS Meeting was conducted to frame the course structure and syllabi for BBA & BCA for the Students admitted from Academic Year 2024-25 onwards.
2. **06-09-2024:** The Hon'ble Vice Chancellor i/c, participated in an online meeting hosted by APSCHE, Andhra Pradesh, regarding the proposal for apprenticeship support services for students. The meeting was also attended by the DAP, DIRP, Coordinator of Placements, and representatives from Team Lease, Mumbai.
3. **06-09-2024:** Under the Chairmanship of the Hon'ble Vice-Chancellor i/c, 15<sup>th</sup> Annual Sports Council Meeting was held at VC's Chamber, JNTUA, Ananthapuramu. The Registrar, Members, External members and Secretary Sports Council as a Convener attended the meeting.

4. **08-09-2024:** BoS Meeting was conducted to frame the Syllabus for Humanities subject of BBA program. The syllabus is applicable for the students admitted from the Academic Year 2024-25 onwards.
5. **10-09-2024:** Hon'ble Vice Chancellor i/c, attended the online meeting was hosted by the Chairman CIHL regarding Governing Council meeting of Consortium of Institutions of Higher Learning (CIHL).
6. **25-09-2024:** Under the chairmanship of the Hon'ble Vice Chancellor i/c, a meeting was held with representatives from KIA to discuss cooperation in providing internship and employment opportunities for JNTUA students. The meeting took place in the VC's Conference Hall. Attendees included the Registrar, DIRP, DAP, DAP Coordinator, university officials, Principal of CEA, and the Placements Coordinator.
7. **27-09-2024:** A meeting was held under the Chairmanship of the Hon'ble Vice-Chancellor i/c, in the VC's Conference Hall. The meeting was in connection with the University receiving the "MAKING INDIA EMPLOYABLE" award, which was presented at an event jointly organized by the India Employer Forum and the India Education Forum in Mumbai on 25.09.2024. The meeting also aimed to discuss with the directors any pending issues to be resolved and upcoming works.

**JNTUA Constituent Units**



**JNTUA CEA**



**JNTUA CEK**

- **20 - 26 September:** A one-week workshop on "Cyber Security" is organized by Savory Minds, New Delhi.

- **18-09-2024:** Smart India Hackathon was conducted for providing a platform for students to showcase their innovative ideas to real.
- **20-09-2024:** Training Program on 'PC Hardware and Software Installation' for UG by Pravarah Automation Systems, at JNTUA CEA.
- Dr. M.L.S Deva Kumar, Professor of Mechanical Engg, JNTUA CEA was elected as Chairman, IEI AP State centre.



**"It is very simple to be happy, but it is very difficult to be simple."  
- Rabindranath Tagore.**

## Books and Book Chapters

1. **Prof. K. Jayalakshmi**, Professor at JNTUA CEA, has published a book titled *“Applied Numerical Methods,”* published by Infinite Research. ISBN No: 978-81-966422-7-3.
2. **Dr. Keerthipati Kumar**, Associate Professor at Sri Venkateswara College of Engineering, has published a book titled *“Cyber Forensics Fundamentals,”* published by Scientific International Publishing House (SCIPH). ISBN No: 978-93-6674-149-9.
3. **V. Lakshmi Devi and K. Kumar**, faculty members of Sri Venkateswara College of Engineering, have published a book titled *“Battery Technology Handbook: Classification, Control, and System Integration – Comprehensive Guide to EV Battery Design and Management Systems.”* ISBN No: 979-8895567876.
4. **Dr. G. Sreenivasulu**, faculty members of RGM-CET Nandyal, has published a book titled *“Water Resources Engineering: Hydrologic Analysis and Designs,”* published by Indo-Continental Academic Publishers. ISBN No: 978-81-978376-8-5; e-ISBN: 978-81-978376-1-
5. **Dr. K. Subba Reddy and Dr. K. Rajendra Prasad**, faculty members of RGM-CET, have published a book titled *“Fundamental Practices of Computer Graphics: Algorithms, Design, and Concepts,”* published by Sara Book Publication, Ahmedabad. ISBN No: 978-93-91478-87-2.
6. **Dr. N. Ramanjaneya Reddy**, faculty of RGM-CET, has published a book titled *“Python Programming for Engineers,”* published by Scientific International Publishing House. ISBN No: 978-93-6674-917-4.
7. **Dr. B. Rasheeda Begum**, Associate Professor at KSRM College of Engineering, has published a book titled *“Indian Literature,”* published by REST Publishers. ISBN No: 978-81-975640-9-3.
8. **Dr. B. VeeraSankar and Dr. G. Radha**, faculty members of KSRM College of Engineering, have published a book titled *“Differential Equations and Vector Calculus,”* published by Research India Publications. ISBN No: 978-93-92437-84-7.
9. **Dr. Y. Rama Mohan, Dr. K. Govardhan Reddy, and Smt. B. Varalakshmi**, faculty of G. Pulla Reddy Engineering College, have published a book titled *“Computer Networks,”* published by [Publisher Name]. ISBN No: 978-93-341-1340-2.

### Book chapters

Six book chapters in different books are contributed by JNTUA constituent and affiliated colleges..



### Patents Published/Awarded

- **Dr. M. Venkata Narayana, and Dr. T. Mariprasath**, Faculty of KSRM college of Engineering, Cuddaph have received an Indian Design Patent grant entitled *“A Smart Solar/Wing Charger Cum Inverter”*. design number 424308-001, dated 03/09/2024.

## NCC/NSS/Programmes

**W**ebinars, Awareness sessions, seminars, Health & Hygiene Camp, Blood Donation Drives, Plantation Program conducted by JNTUA Constituent Colleges/Units in **September 2024**.

1. Cleaning at Central facility premises on 4-10-2024, at JNTUA CEA.
2. Cleaning at Department premises on 10-09-2024 at JNTUA CEA.
3. A one-day training program on Cyber Security, 19-09-2024.
4. Blood testing camp on 24-09-2024, at JNTUA CEA.
5. Plastic Waste Collection on 24-09-2024, for a plastic-free campus in celebration of NSS inauguration Day.
6. Blood Testing Camp on 24-09-2024, at JNTUA CEP.
7. Collection of single-use plastic in the public domain on 28.09.2024.
8. ‘Swachatha Hi Sevahai’ cleaning activities at OTPRI premises on 21-09-2024.
9. Waste plastic Collection initiative at OTPRI campus 26-04-2024 at OTPRI

## Journal/Conference Publications

- A webinar on *“Online GATE 2025 Interactive Session”*, is organized on **24-09-2024** by JNTUACEA
- The MP CHARY lecture Series, a National Level event was organized on **28-9-2024**, Under II ChE , Anantapuramu Local center.

### Projects Initiated/ completed

- JNTUA College of Engineering Anantapuramu generated an amount of Rs.1,24,065/- through Industrial Consultancy Service.

## Awards & Recognitions

- JNTUA has been honoured with the prestigious *“Making India Employable”* Award for the year 2024 at “Making India Employable Conference and Awards 2024” recognising its significant contributions to education and employability.
- **Mrs. Maneesha** Faculty JNTUACEA received *“Inspiring Young Research Fellow”* award 2024 from Madras Journal Series Pvt.Ltd

## University Semester-End Examinations Results Announced – September 2024



**R**esults of the semester end examinations conducted by the university declared in the month of **September 2024** are as below.

The Results for the supplementary / Regular examinations conducted in May/June 2024 announced – September 2024

### Examinations:

#### 04-Sep-2024

- B.Tech I Year (R09) Supple Exams, May/June 2024
- B.Tech II Year I Semester (R09) Supple Exam, May/June 2024
- MBA II Semester (R21) Regular & Supple Exams, July 2024
- MCA II Semester (R21) Regular & Supple Exam, July 2024
- MCA II Semester (R20) Supple Exams, July 2024
- MBA II Semester (R17) Supple Exams, July 2024
- MCA II Semester (R17) Supple Exams, July 2024
- B.Tech IV Year II Semester (R13) Supple Exams, May/June 2024
- B.Tech IV Year I Semester (R13) Supple Exams, May/June 2024
- B.Tech III Year II Semester (R13) Supple Exams, May/June 2024
- B.Tech III Year I Semester (R13) Supple Exams, May/June 2024
- B.Tech II Year II Semester (R13) Supple Exams, May/June 2024
- B.Tech II Year I Semester (R13) Supple Exams, May/June 2024
- B.Tech I Year (R13) Supple Exams, May/June 2024
- B.Tech IV Year II Semester (R09) Supple Exams, May/June 2024
- B.Tech IV Year I Semester (R09) Supple Exams, May/June 2024
- B.Tech III Year II Semester (R09) Supple Exams, May/June 2024
- B.Tech III Year I Semester (R09) Supple Exams, May/June 2024
- B.Tech II Year II Semester (R09) Supple Exams, May/June 2024.

#### 11-Sep-2024

- B.Tech III Year II Semester (R15) Supple Exams, July 2024
- B.Tech III Year I Semester (R15) Supple Exams, July 2024
- MCA I Semester (R21) Supple Exams July 2024
- MCA I Semester (R20) Supple Exams, July 2024
- MBA I Semester (R21) Supple Exams, July 2024

- MBA I Semester (R17) Supple Exams, July 2024
- M.Sc IV Semester (R21) Regular & Supple Exams, June 2024
- M.Sc IV Semester (R20) Supple Exams, June 2024
- B.Tech IV Year I Semester (R19) Supple Exams,
- July 2024 B.Tech III Year II Semester (R19) Supple Exams,
- July 2024 B.Tech III Year I Semester (R19) Supple Exams,
- July 2024 B.Tech IV Year I Semester (R15) Supple Exams, July 2024

#### 13-Sep-2024

- M.Pharmacy II Semester (R21) Regular & Supple Exams, July 2024
- B.Tech III Year II Semester (R20) Regular & Supple Exams, July 2024
- B.Tech III Year I Semester (R20) Supple exams, July 2024
- B.Tech IV Year I Semester (R20) Supple Exams, July 2024
- M.Pharmacy II Semester (R17) Supple Exams, July 2024
- M.Pharmacy I Semester (R17) Supple Exams, July 2024
- M.Pharmacy I Semester (R21) Supple Exams, July 2024
- M.Pharmacy III Semester (R17) Supple Exams, July 2024
- M.Pharmacy III Semester (R21) Supple Exams, July 2024
- M.Tech II Semester (R17) Supple Exams, July 2024
- M.Tech II Semester (R21) Regular & Supple Exams, July 2024
- M.Tech I Semester (R17) Supple Exams, July 2024
- M.Tech I Semester (R21) Supple Exams, July 2024
- M.Tech III Semester (R17) Supple Exams, July 2024
- M.Tech III Semester (R21) Supple Exams, July 2024

#### 24-Sep-2024

- M.Sc II Semester (R21) Regular & Supple Exams, July 2024
- M.Sc I Semester (R21) Supple Exams, July 2024

#### 27-Sep-2024

- B.Pharmacy II Year II Semester (R19) Regular & Supple Exams, July 2024
- B.Pharmacy II Year II Semester (R15) Supple Exams, July 2024
- B.Pharmacy II Year I Semester (R19) Supple Exams, July 2024
- B.Pharmacy II Year I Semester (R15) Supple Exams, July 2024

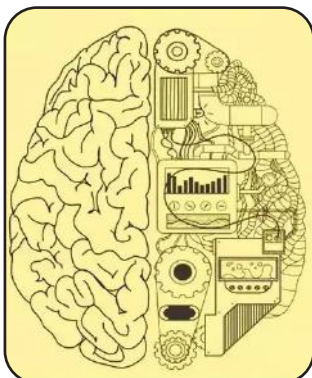
## Ph.D. Degrees Awarded by the University - September 2024

The following individuals have been conferred with doctoral degrees in September 2024.

1. **Mr. B. Siva Kumar** has Demonstrated Excellence in the Field of “**INVESTIGATIONS ON STRUCTURE AND PHOTOLUMINESCENCE PROPERTIES OF RARE EARTH IONS (Dy 3+, Eu 3+ & Sm 3+) DOPED KMg-Bo3 PHOSPHORS FOR LED APPLICATIONS**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Physics on 06 September 2024.*
2. **Mr.Prasanth Musalikunta** has Demonstrated Excellence in the Field of “**Structural & Energy Transfer Studies of Rare – Earth Doped Bismuth Borate Glasses: Applications in Optical Amplification**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Physics on 23 September 2024.*
3. **Mrs . R. Leelavathi** has Demonstrated Excellence in the Field of “**Development Of Efficient Algorithms for Reversible Data Hiding for Color Images**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Electronics & Communication Engineering on 06 September 2024.*
4. **Mr. K. Dhanumjaya** has Demonstrated Excellence in the Field of “**Low Power VLSI Design Methodologies for Power Efficient Standard Cells Design**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Electronics & Communication Engineering on 13 September 2024.*
5. **Mr. Kolluru Sundeep Kumar** has Demonstrated Excellence in the Field of “**A Study on Self Compacting Concrete Modified With Ferro Silica Slag Aggregate & Paraffin Wax Self Curing Compound and Development of Anfis Model**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Civil Engineering on 11 September 2024.*
6. **Mrs. Nagavali Saka** has Demonstrated Excellence in the Field of “**Prediction of Autoimmune Thyroid Using Artificial Intelligence Techniques**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Computer Science and Engineering on 25 September 2024.*
7. **Mr. Ravi Kumar J S** has Demonstrated Excellence in the Field of “**A Study on Impact of Usergenerated Online Reviews With Reference to Travel and Tourism Industry**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Management on 09 September 2024.*
8. **Mr. Mohammad Nizamuddin** has Demonstrated Excellence in the Field of “**Extraction of Phyto-Chemical Compounds from Desert Plants and Development of Opuntia Dillenii Based Nutraceutical Product**” and is awarded the Degree of Doctor of Philosophy (Ph.D), In the Faculty of *Food Technology on 06 September 2024.*



“Wishing you a very Happy Engineer’s Day. We are proud of you for all of your hard work and commitment to developing something unique”



“This Engineer’s Day, let us all rejoice innovation and creativity of these exhausting working licensed professionals. You guys are literally fantastic”

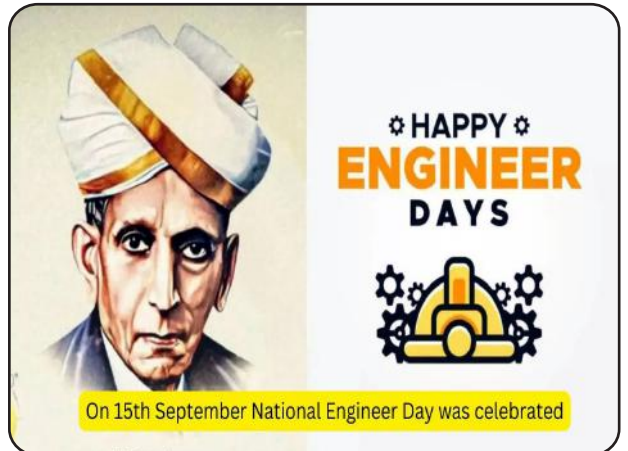


# Important National & International Days in September



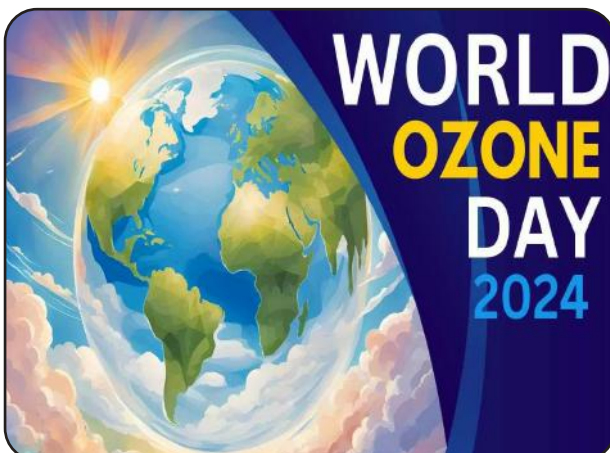
**1st September - National Nutrition Week :** National Nutrition Week is observed from 1st September to 7th September to provide knowledge among people about the importance of nutrition and its importance for the human body, for better health.

**5 September - Teachers' Day (India) :** Teachers' Day in India is celebrated on 5 September every year to mark the birth anniversary of India's second President Dr. Sarvepalli Radhakrishnan. On this day we appreciate and acknowledge the efforts of teachers in making responsible individuals.



**11 September - World First Aid Day :** It is observed on the second Saturday of September and this year it falls on 11 September. The day raises awareness among the public about how first aid can save lives in case of crises. According to the International Federation, first aid should be accessible to all people and should be an important part of developmental societies.

**15 September - Engineer's Day (India) :** Engineer's Day is celebrated in India on 15 September every year to mark the tribute to the Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.



**16 September - World Ozone Day :** World Ozone Day is observed on 16 September annually. On this day in 1987, the Montreal Protocol was signed. Since 1994, World Ozone Day has been celebrated which was established by the United Nations General Assembly. This day reminds people about the depletion of the Ozone Layer and to find solutions to preserve it.

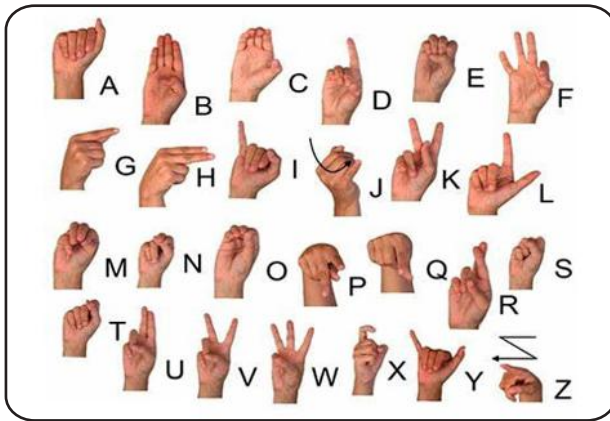
**18 September - World Bamboo Day**  
The day is observed on 18 September to increase awareness about bamboo globally.



**21 September - International Day of Peace (UN)** : International Day of Peace (UN) is observed on 21 September around the world. For the first time it was observed in September 1982 and in 2001, the General Assembly adopted a resolution 55/282, which established 21 September as International Day of Peace of non-violence and cease-fire.



**22 September (Fourth Sunday) - World Rivers Day:** World Rivers Day is celebrated on the last Sunday of September. In 2024, it falls on 22 September. The day highlights the importance of rivers and generates awareness and encourages people to improve and save water, rivers around the world. It is necessary to care for our water resources.



**23 September - International Day of Sign Languages:** On 23<sup>rd</sup> September, the UN General Assembly proclaimed the day as International Day of Sign Languages. The day provides a unique opportunity to support and protect the linguistic identity and cultural diversity of all deaf people and other sign language users.



**27 September - World Tourism Day :** World Tourism Day is annually celebrated on 27 September to highlight the importance of tourism which helps in generating employment and build a future for millions of people around the world.



**29 September - World Heart Day:** World Heart Day is observed annually on 29 September. This day informs people about heart disease and stroke which is the world's leading cause of death.



**30 September - International Translation Day :** International Translation Day is observed on 30 September every year. This day provides an opportunity to pay tribute to the work of language professionals. It also plays an important role in bringing nations together and strengthening world peace and security.

# Tech Ananth

**JAWAHARLAL NEHRU TECHNOLOGICAL  
UNIVERSITY ANANTAPUR**

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