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April 2024

TECH ANANTH

... infinite technology

Volume 2 Issue IV

OBITUARY NEWS P9

Rich Tributes paid to Prof. P. Dhananjaya Rao, Rtd. Principal of JNTUA CEA

Prof. P. Dhananjaya Rao
1943-2024

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JNTUA Accredited 'A' Grade by NAAC.

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Message from Vice Chancellor to the students of the University

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Amarajeevi Potti Sreeramulu Jayanthi Celebrated @ JNTUA, Ananthapuramu

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Message from Vice Chancellor to the students of the University

My dear young student friends,

As you embark to explore the intricate pathways of technical education, it is crucial to recognize the profound significance of embracing a value based holistic approach of life in today's world. Beyond the realms of equations and algorithms, lies a landscape where the integration of ethics, empathy and interdisciplinary understanding is indispensable for meaningful innovation and progress.

ln an era marked by rapid technological advancements and complex global challenges, the role of engineers transcends beyond technical expertise. Your decisions and contributions have far reaching implications, shaping the trajectory of society and the environment. Therefore, it is imperative to imbue your technical education with a strong ethical foundation rooted in values that priorities the well- being of humanity on the whole.

Value based education instills in you a moral compass, guiding your actions and decisions towards outcomes that are not only technically sound but also ethically responsible. As engineers, you wield immense power through your creations, whether it is designing sustainable infrastructure, developing life saving medical devices, or innovating in renewable energy. A commitment to ethical principles ensures that your innovations serve the greater good, fostering societal progress while minimizing harm. Also, embracing a holistic approach to education broadens your perspective, enabling you to transcend disciplinary boundaries and tackle complex problems from multiple angles.

Engineering solutions seldom exist in isolation, they intersect with social, cultural, economic and environmental factors. With a holistic mindset, you can cultivate the ability to collaborate across disciplines, integrate diverse perspectives, and devise innovative solutions that address the root causes of societal challenges.

ln the present world scenario, characterized by interconnectedness and interdependence, the demand for engineers who embody a value based holistic approach has ever increasing. Whether you are designing smart cities, developing artificial intelligence systems, or addressing global health crises, your ability to navigate ethical dilemmas, understand diverse perspectives, and collaborate effectively will determine your success and impact.

Remember, your education extends beyond the confines of text books and laboratories. lt encompasses the values you uphold, the perspectives you embrace and the impact you aspire to make on the world. The mark of a truly great engineer extends beyond technical prowess - it lies in the ability to harness technology for the betterment of humanity, guided by values of integrity, empathy and sustainability.

Prof. G.V.R. Srinivasa Rao
Vice Chancellor, JNTUA,
Editor-in-Chief, Tech Ananth.

JNTUA ADMINISTRATIVE BUILDING, ANANTHAPURAMU

The Quantum Leap

Unveiling the Power of Tomorrow's Computing

- Dr E Keshava Reddy

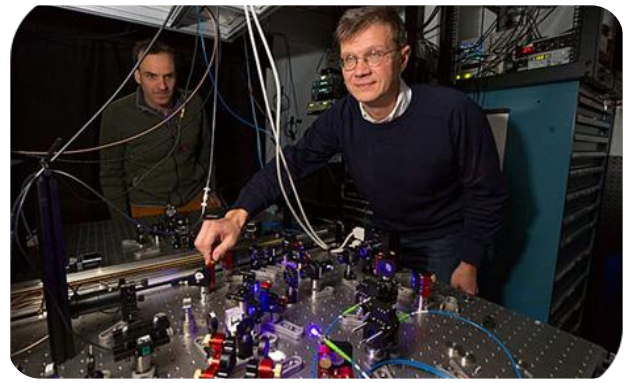
Quantum computing is a revolutionary approach to computation that harnesses the principles of quantum mechanics to perform operations on data. Unlike classical computers, which use bits as the smallest unit of information represented by either a 0 or a 1, quantum computers use quantum bits, or qubits, which can exist in multiple states simultaneously due to the phenomenon known as superposition. Additionally, qubits can be entangled, meaning the state of one qubit can depend on the state of another, regardless of the distance between them.

Imagine you have a very powerful calculator. This calculator can solve certain types of problems much faster than any other calculator you've ever seen. Now, a regular calculator uses tiny switches called bits to do its calculations. These bits can be either on or off, like a light switch. But this special calculator is different. Instead of using regular bits, it uses something called qubits. Qubits are like magical switches because they can be both on and off at the same time. This is called superposition.

Now, imagine you have a tough puzzle to solve. It's like finding the right combination to unlock a super-secret door with millions of possibilities. With a regular calculator, you'd have to try each combination one by one until you find the right one. It could take forever! But with our special quantum calculator, it can try out many combinations all at once because of the superposition magic of qubits. This makes it much faster at solving certain kinds of puzzles.

For example, one type of problem quantum computers could be great at is factoring large numbers. Imagine you have a huge number and want to find out what smaller numbers you can multiply together to get it. Regular computers would take a long time to figure it out, but a quantum computer might be able to do it much faster.

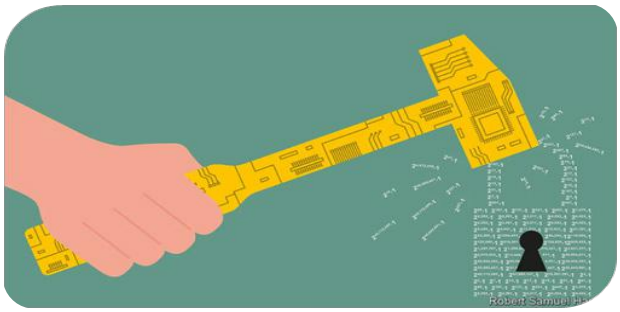
So, in simple terms, quantum computing is like having a supercharged calculator that can solve certain puzzles much faster than regular computers by using qubits and their magical properties like superposition.



The applications of quantum computing in various fields

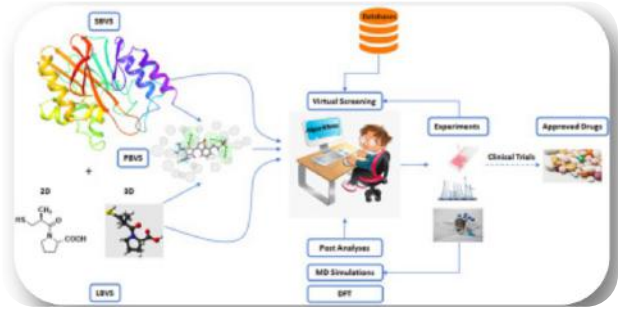
Cryptography in this area, quantum computing poses both opportunities and threats. It offers solutions to enhance security through quantum cryptography. QKD utilizes the principles of quantum mechanics to create cryptographic keys that are theoretically unhackable due to the laws of quantum mechanics, such as the no-cloning theorem and the uncertainty principle. QKD ensures secure communication channels by detecting any eavesdropping attempts, providing unconditional security for key distribution. The advent of quantum computing has prompted the development of post-quantum cryptographic algorithms resistant to quantum attacks. PQC algorithms aim to provide long-term security against quantum adversaries by relying on mathematical problems that are believed to be hard even for quantum computers. These include lattice-based cryptography, code-based cryptography, hash-based cryptography, and multivariate polynomial cryptography, among others. Quantum computers can also generate truly random numbers using quantum phenomena such as photon polarization or quantum tunnelling. True random numbers are essential for cryptographic applications, including key generation, initialization vectors, and nonce values. Quantum random number generators (QRNGs) offer higher entropy and better randomness compared to classical pseudorandom number generators, enhancing the security of cryptographic systems. One of the most significant threats posed by quantum computing is its ability to efficiently factor large numbers. Traditional cryptograph-

ic systems, such as RSA encryption, rely on the difficulty of factoring large numbers into their prime factors. Shor's algorithm, a quantum algorithm, can factor large numbers exponentially faster than the best-known classical algorithms. This means that current cryptographic systems could be vulnerable to attacks by sufficiently powerful quantum computers, potentially compromising the security of sensitive data and communications.



Drug Discovery and Molecular Simulation

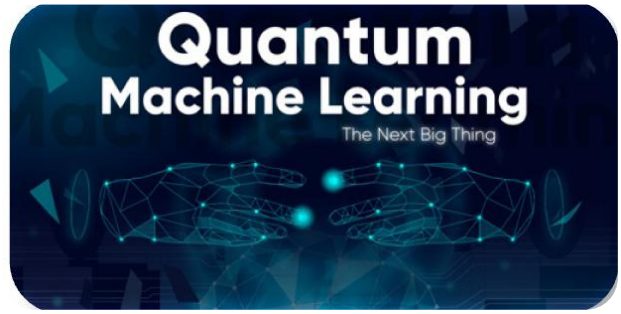
Quantum computers can simulate molecular interactions with unprecedented accuracy. This capability can revolutionize drug discovery by enabling scientists to understand molecular structures, interactions, and reactions at a level impossible for classical computers. It could significantly accelerate the process of developing new drugs and understanding diseases.



Machine Learning and Artificial Intelligence

Quantum computing has the potential to revolutionize machine learning (ML) and artificial intelligence (AI) by offering new algorithms and computational paradigms that can address complex problems more efficiently than classical approaches. Quantum machine learning (QML) explores the intersection of quantum computing and machine learning. QML aims to develop algorithms that leverage the unique properties of quantum computers to enhance learning tasks. Quantum algorithms, such as quantum support vector machines (QSVM), quantum neural networks (QNN), and quantum clustering algorithms, offer potential advantages in pattern recognition, optimization, and data analysis.

These algorithms could outperform classical counterparts by exploiting quantum parallelism and interference to process large datasets and discover hidden patterns more efficiently. Quantum computers can efficiently process and analyze large datasets using quantum algorithms. Grover's algorithm, a quantum search algorithm, can search unsorted databases quadratically faster than classical algorithms. Quantum computers could improve data retrieval, pattern recognition, and database management systems, enabling faster insights from massive datasets in AI applications such as natural language processing, recommendation systems, and predictive analytics. It could enable the development of quantum generative models that generate data distributions representative of complex quantum systems. Quantum generative models could enhance the simulation of quantum phenomena, leading to advancements in quantum chemistry, materials science, and physics simulations. These models could facilitate the discovery of new materials, drugs, and chemical compounds with desired properties, impacting fields beyond AI and ML. Quantum computing hardware could directly support machine learning tasks by providing specialized quantum processors optimized for ML workloads. Quantum processing units (QPUs) designed for ML tasks could accelerate training and inference processes, leading to more efficient AI systems. Integration of quantum and classical processing units in hybrid architectures could offer the flexibility to solve a broader range of ML problems by leveraging the strengths of both quantum and classical computation.



Weather Forecasting and Climate Modeling

Quantum computing's ability to process large datasets and simulate complex systems makes it promising for weather forecasting and climate modelling. Quantum computers could enable more accurate predictions of weather patterns, climate trends, and extreme events, facilitating better preparedness and mitigation strategies for natural disasters and climate change.

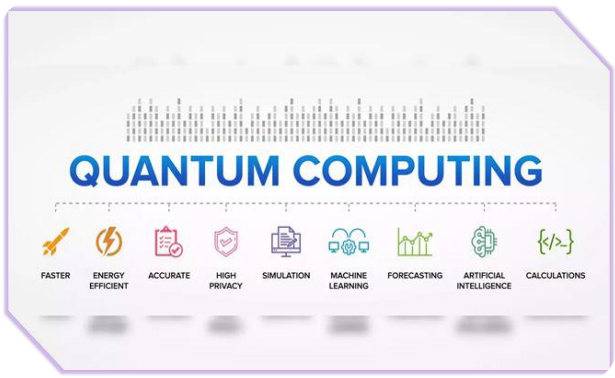
Space Exploration and Aerospace Engineering

Quantum computing can contribute to space exploration and aerospace engineering by optimizing spacecraft trajectories, simulating complex systems, and solving intricate engineering problems. Quantum algorithms could aid in mission planning, spacecraft design, and navigation in space, enhancing our understanding of the universe and advancing space exploration efforts.

CONCLUSION

In conclusion, quantum computing represents a paradigm shift in computation, offering unprecedented capabilities to tackle complex problems that are intractable for classical computers. By harnessing the principles of quantum mechanics such as superposition and entanglement, quantum computers can perform computations exponentially faster than their classical counterparts for certain types of tasks.

The potential applications of quantum computing span various fields, including cryptography and security, drug discovery, optimization, machine learning, materials science, and more. Quantum computing threatens traditional cryptographic systems but also offers solutions through quantum cryptography and post-quantum cryptography. In fields like drug discovery and materials science, quantum computers can simulate molecular interactions and optimize material properties with unmatched precision.

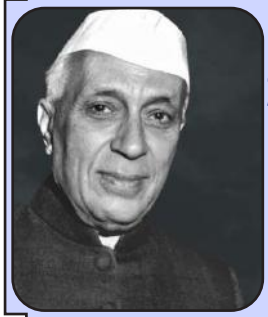


Moreover, quantum computing promises advancements in optimization, machine learning, and artificial intelligence, with quantum algorithms offering potential speed-ups and new approaches to problem-solving. Quantum-enhanced algorithms and hardware architectures could revolutionize data analysis, pattern recognition, and decision-making processes, leading to transformative innovations in diverse industries.

However, realizing the full potential of quantum computing requires overcoming significant technical challenges, including errors in quantum hardware, qubit coherence and connectivity, and scaling up quantum systems to handle practical problems. Additionally, quantum computing raises ethical and security concerns, necessitating the development of robust quantum-resistant cryptographic solutions and addressing potential societal impacts.

About the Author

Prof. E. Keshava Reddy is a Professor of Mathematics at JNTUA College of Engineering Anantapur and presently serving as the Director of Evaluation 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.



"To be Successful in life what you need is Education"

Importance of Soft Skills in the Digital Age

- Dr.A.P.Siva Kumar

In today's digital world, college is changing fast. It's not just about learning from books anymore. We're using computers, the internet, and all kinds of new technology to teach and learn. But there's something else that's just as important: soft skills. These are the skills that help us communicate, work together, and adapt to new things. In this article, we'll explore why soft skills are so important in college and how they can help all kinds of students succeed, including those who struggle, those who excel, and those who may need a little extra guidance.

1. Communication Communication is key in college. Whether you're talking to your classmates, your professors, or even just writing an email, being able to communicate clearly is super important. For students who find it hard to speak up in class or express themselves, learning how to communicate effectively can really make a difference. It can help them feel more confident and get the support they need.

2. Collaboration Working together with others is a big part of college life. From group projects to study sessions, collaboration helps us learn from each other and tackle big challenges. For brilliant students who may prefer working alone, learning how to collaborate can open up new opportunities and perspectives. And for students who struggle with discipline, working in a team can help them stay focused and motivated.

3. Adaptability Things can change quickly in college, and being able to adapt is crucial. Whether it's adjusting to a new schedule or learning how to use a new technology, being adaptable helps us stay on track and keep up with the pace. For undisciplined students who may struggle with sticking to a routine, learning how to adapt can help them stay flexible and resilient in the face of challenges.

4. Emotional Intelligence Understanding and managing our emotions is an important skill in college. From dealing with stress to navigating social situations, emotional intelligence helps us stay balanced and focused. For dull students who may feel overwhelmed or anxious, developing emotional intelligence can help them cope with their feelings and stay on track. And for brilliant students who may struggle with relating to others, emotional intelligence can help them build stronger relationships and support networks.

5. Creativity and Critical Thinking Thinking creatively and critically is what college is all about. It's about questioning, exploring, and coming up with new ideas. For all students, including those who may not excel in traditional academics, developing creativity and critical thinking skills can help them find their passion and purpose. It can also help them see the world in new ways and come up with innovative solutions to real-world problems.

Absolutely, enhancing communication skills among students is crucial for their academic and professional success. Here are some additional innovative approaches to complement the strategies you've outlined:

1. Multimedia Presentations Encourage students to create multimedia presentations, incorporating visuals, videos, and interactive elements to convey their ideas effectively. This not only improves their presentation skills but also enhances their ability to communicate complex concepts in a visually engaging manner.

2. Cross-Disciplinary Collaboration Foster collaboration between students from different academic disciplines through interdisciplinary projects or joint workshops. This encourages students to communicate and exchange ideas across diverse fields, broadening their perspectives and enhancing their ability to communicate with a wide range of audiences.

3. Cultural Competency Training Provide workshops or seminars focused on cultural competency and diversity awareness. These sessions help students develop sensitivity to cultural differences in communication styles and norms, preparing them for global interactions in their future careers.

4. Experiential Learning Opportunities

Offer experiential learning opportunities such as internships, community service projects, or study abroad programs. These experiences provide real-world contexts for students to apply their communication skills in diverse settings, fostering adaptability and resilience.

5. Peer Mentoring Programs Establish peer mentoring programs where experienced students mentor their peers in communication skills development. Peer mentors can provide personalized guidance, support, and constructive feedback, creating a supportive learning community focused on continuous improvement.

6. Industry Simulation Exercises Create simulated industry scenarios where students role-play various professional situations, such as client meetings, project presentations, or team collaborations. These exercises immerse students in realistic communication contexts, preparing them for the demands of their future careers.

7. Continuous Professional Development

Encourage students to pursue continuous professional development opportunities such as attending workshops, conferences, or online courses focused on communication skills enhancement. Providing access to resources and support networks empowers students to take ownership of their communication skills development journey.

8. Technology-Enhanced Communication Platforms

Integrate technology platforms such as video conferencing tools or discussion forums to facilitate virtual communication and collaboration. This allows students to engage in discussions and debates remotely, enhancing their digital communication skills and adaptability to modern communication tools.

By incorporating these diverse and innovative approaches into the curriculum and student clubs, faculty members can create a dynamic learning environment that equips students with the communication skills necessary for success in academia and beyond.

About the Author

Dr. A.P. Siva Kumar, Professor in the Department of Computer Science and Engineering at JNTUA College of Engineering, Ananthapur, holds the designation of Coordinator of Industrial Relations and Placements. As a Training and Placement Officer at JNTUA College of Engineering, Ananthapur (JNTUACEA), he exemplifies an unwavering commitment to guiding students on their career paths. Dr. Kumar has shared his expertise through invited talks on topics such as "Why Machine Learning," "ML to DL," "XAI," "Interview Skills," "How to Deliver Speech Effectively," "Inspiration and Motivation," "Presentation Skills," and "Change - A Perspective in Career" at various institutes.

Oil Painting _Figure Painting by Ms. Neha Mallika, Alumnus Department of Chemical Engineering, JNTUA CE Ananthapuramu.

Obituary - Prof. P. Dhananjaya Rao, Rtd. Principal JNTUA College of Engineering Ananthapuramu

DOB: 29-09-1943 **DOD: 22.03.2024**

"Prof. P. Dhananjaya Rao, Rtd. Principal JNTUA College of Engineering Ananthapuramu breaths his last, passes away aged 80 on 22nd March 2024 (Friday) at his home in Bangalore. Tributes have been pouring in on social media from Teachers & Students all over the world."

Some words of condolence from JNTUA Fraternity received in JNTUA CEA Faculty Whatsapp Group

1. G.V.R.Srinivasa Rao: Prof Dhanunjaya Rao garu is known for his academics and administration. My deepest condolences to the bereaved family members of Prof Rao.I pray the God Almighty to rest his soul in peace.

2. Vijaya Kumar M: Very sad news. May his soul rest in peace.Om Shanti.

3. C.Sashidhar: Really Sad News, Role model to many of us..... miss you Sir..... Rest in Peace.

4. S.V Satyanarayana: It is unfortunate and sad to inform that Prof DhanujayaRao expired today evening at Bangalore. Tomorrow Cremation will be in Bangalore. He is one of the role model for many of us. Om Shanti.

5. Arunakanthi: May his soul rest in peace.

6. Eswara Reddy: ISTE committee expresses deepest condolences to the family members and we pray almighty to give enough strength to the family members to bear the absence of Prof PD Rao, ISTE AP Life Time Achievement Awardee-2022.May his soul rest in peace

7. Subba Reddy G V: It is sad news to hear Prof. DhananjayaRao is no more. My deepest condolences to the family members and I pray Almighty to give enough strength to the family members to recover from the sad incident. May his soul rest in peace.

8. M N Giriprasad: Very sad to hear that Sri DhananjayaRao sir is no more. When I joined JNTU in 2001 he was the Principal of the college. I have taken his blessings and joined for the duty. He is a great teacher and calm and cool person. I pray the Almighty that May his Soul Rest in Peace.

9. Rangajanardhana: Very sad to hear the news. He passed away at around 9pm today (22-03-2024)

10. Bhanumurthy PR: Very sad. He was a rare person with exceptional qualities and character. May his soul rest in peace.

11. SudarsanaRao: He is a great Professor and wonderful Humanitarian.

12. KB Chandrasekhar: May his sole rest in peace. Om shanthi.Very good personality in jntua.

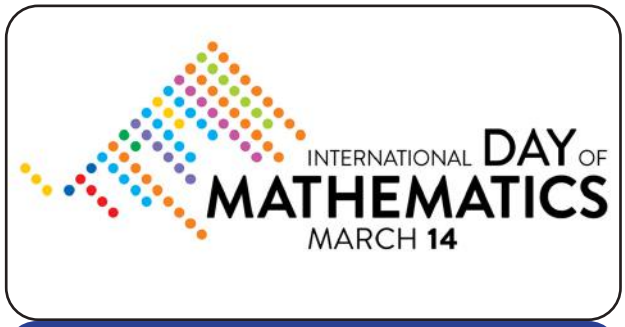
13. S.Krishnaiah: Sadgatipraptirastu. Om Shanti.

14. Durga Prasad: Very sad. Very rare personality. He is Dhan Boss to everyone. May his soul rest in peace . Very great Dhan Boss. May his soul rest in peace.

15. M.L.S.Deva Kumar: Very SAD to hear about demise of Prof.PDR. He is very close to the hearts of all alumni, teaching and non teaching staff of our college.I tried to emulate him in all areas of academic, professional and personal. Learnt many things from him. May his Soul Rest in Peace.

16. Kiranmayi: Very sorry to hear. May his soul rest in peace. We miss you and your care for us sir.

17. Sharada S : It was an honor to work under a great person who was very humble and kind nature. May his soul rest in peace.



International Day of Mathematics (IDM) is a worldwide celebration. Each year on March 14 all countries participate through activities for both students and the general public in schools, colleges, museums, libraries and other spaces.

Life History of Late Prof. P. Dhananjaya Rao
Rtd. Principal JNTUA College of Engineering Ananthapuramu

Life History of Dr. P. Dhananjaya Rao

Birth and Childhood

Birth Day

- On 29th September, 1943, in the auspicious birth star of Arjuna, was born a boy to Pilaka Rama Rao and Pilaka Kameswaramma at Gajapatinagaram village, Vijayanagaram dist.
- Aligning with his birth star he was named Dhananjaya Rao.
- He was the third among six children with one elder brother and sister and two younger brothers and one younger sister.
- At the time of his birth his father was working as Tahsildaar for the estate of Vijyanagaram under British Empire.
- Father being a bureaucrat implemented strict discipline at home and was a terror to children.
- Mother was a simple devout woman dedicated to the household affairs.

Food Thief

- His early childhood was spent in affluence among the native culture of the villages like Srikoormam, Chinnipalem, Sompeta.
- Eating was his most favorite hobby and he used to leave no opportunity to gulp in whatever edible is available in the house.
- His crave for sweets is so enormous that he would not hesitate to devour blocks of jiggery at times.
- Any food article missing in the home was simply attributed to his toil and he was fondly called as the "Food Thief" in the house.

Education

Early Education

- His education started at the age of 5 with Aksharabhyasam ceremony held on a grand scale at Srikoormam.
- At the onset when he was not performing well in the first class, he correlated it to the grand scale of ceremony in contract to the simple ceremony of his classmate who was performing well.
- But as the scent of the flower cannot be hidden for long, he soon started performing exceedingly well and was promoted to 3rd and then to 5th standard.
- Due to this he always happened to be the youngest among his classmates.
- He always gave a lot of credit to his dedicated teachers in his early years who inspired and motivated children to develop curiosity in studies.
- He stood all subjects first and all sections first in every standard right through 8th and 9th grade.

Shift to Vizag

- There were major turn of events by 1956-57, when the Zamindaar system was completely abolished and this led to loss of job by his father leading to dire financial circumstances.
- The family of eight shifted to Visakhapatnam on 5th August, 1957 for higher studies of the children where they supported by some ancestral property and some help from his uncle.

Higher Education

- He joined in SSLC at AVN College, Vizag.
- Being from a rural background and telugu medium he was very timid to interact with anyone at first.
- However, by the time the mid-term exams results were given, everyone were in a awe to find a new star in the rising.
- He successfully competed with the toppers of the school who were from English medium background and again stood first in all subjects and all sections, all through SSLC and PUC.

Scholarships

- He was also the recipient of the first prizes in all the co-cirricular competitions held in the college.
- He was the recipient of the prestigious scholarship of his times – Sir Vepa Rameswaram and C.V. Raman Scholarships which offered some financial support in the times of need.

Engineering College

- Being a meritorious student he got into the reputed AU engineering mechanical branch and secured *BE (Hons)* which was a tough protocol to achieve with distinction.

During his Engg he also developed a flair for literature both English and Telugu and since then been a voracious reader of different genres of reading, be it *Shakespeare, Philosophy, Geopolitics, Astrology, Astronomy, Spiritual or Scientific.*

Life unfolds

Destiny Guides

- At the age of 21 years after completing his B.E he took up his first job as Junior Engg. for Penstar Constructions Company at Nagarjuna Sagar Dam site.
- He worked for a period of five months after which he followed his natural instinct and urge towards teaching and applied for a lecturer post at Govt. college of Engg, Anantapur.
- He was appointed as Lecturer on 17th Dec, 1964 in the Dept. of Mech. Engg. at GEC anantapur.
- He was a witness to the transformation of GEC to JNTU College of Engg on 2.10.1972.

Transient Phase

- After this he registered for part time M.Tech program in refrigeration in 1972.
- During this tenure of M.Tech many charges occurred in his personal life.
- He was married on *17th August 1975 to Late. Smt. Pilaka Krishna Veni,* was blessed with a daughter *Pilaka Mythili on 17th July, 1976* and son *Pilaka Rama Rao, on 17th October, 1977.*
- He completed his masters in 1978 and continued his career as lecturer.

Final Degree

- After 10 years, at the age of 45, in 1988, he proceeded to *IIT Madras* to complete his final level of degree Ph.D under his preferred guide, *Dr. V.M.K Sastri,* Professor and Head, Dept. of Mech. Engg.

- He was handed over a tough experimental protocol of a *BHEL sponsored project to work with steam turbines.*

Ph.D

- For the next five years, he put in rigorous efforts to achieve the task of balancing the Ph.D work as well as the family.
- His childhood temperament towards studies was maintained to that age as reflected by the comment received for his thesis from the reviewer which said *"the technical standard of the work and the intelligence ability of the author are enough for the award of the degree".*

Family Responsibilities

Son and Brother

- He has undertaken the family responsibilities diligently from his childhood.
- He never had any qualms sharing any type of household activities be it, cleaning, sweeping, mopping or washing.

Saving Money

- He used to travel miles by walk to his engineering college to save the bus fare. He contributed to the financial burden through his scholarship money and continued to do so after getting job until every penny of the family debt made during the financial crunch period was completely repaid.

Ailing Brother

- He also bore the responsibility of the lives of his three younger siblings in helping them to settle in life.
- He selflessly served physically, medically, morally and emotionally especially one of his younger brother, Ramam, who was a paraplegic patient, as long as he was alive till 1981.

Husband

- After his marriage with *Smt. P. Krishna Veni,* they stood by each other through the tough times of life be it professional, financial or health issues and exhibited the strength of partnership till her demise on 6th October, 2019.

Father

- As a father he nurtured the children with lots of love and affection and gave them a more liberal environment to grow up as compared to the strict and bureaucratic surroundings he grew up in.
- He was extremely careful and diligent especially during their tender age and instilled the importance of morals and spirituality.
- At the expense of his food, he made sure that he fed the children every day during the lunch in the school along with personally ensuring their safety during dropping and picking up.

- Contrary to what he faced during his growing up phase of life he ensured that the children never suffered from want of things in life.

Profession : (Teacher) :

- He was a dedicated teacher who understood the difficulties of the students and ensured that the subject is received by everyone in the class.
- Explaining pi theorem six times is one such popular example in the college among students.

Teacher

- He was a beloved and approachable teacher who went out of his way to solve many personal issues of his students.
- *The State Best Teacher Award* received from the then chief minister of Andhra Pradesh Dr. Nara Chandrababu Naidu is one ostensible accolade among several imperceivable appreciations and praises he received as a teacher.

Reputed Students

- Dr. Y. Venkatarami Reddy, Ex-vice Chancellor, JNTU
- Dr. Rajagopal, Ex-vice Chancellor, JNTU
- Dr. Hema Chandra Reddy – Chairman, APSCHE,
- Dr. Anjaneya Prasad – Vice Chancellor, Dr. YSR Architecture and Fine Arts university, JNTU,
- Dr. Rangajanardhan, Ex-Vice-Chancellor JNTU Anantapur.

Positions at JNTU Anantapur

- He was entrusted with several administrative positions all through his career be it
- Co-ordinator for Students Union,
- Transport In-Charge,
- Professor In-Charge of Examinations,
- Vice-Principal and
- Principal along with being the EAMCET co-ordinator.

Administrator

- He served as a righteous administrator who never gave in to any type of limitations to implement the lawful decisions and maintained peace and harmony of the institution.
- He always considered these positions as divine ordinances and never got enticed by the perks they came with.
- Though he was a very assiduous administrator, he was very considerate towards his collegues and subordinates.
- He appreciated the smallest good deeds of others whereas restrained from hurting them despite their some unprofessional behavior.
- He believed in motivating people by using several quotes and sayings from the ancient texts in Telugu and English.

Personality

- He has been an astute, arduous, affectionate, amicable individual who moulded himself in any social, economic or personal afflictions.
- He stood by the test of time under various threatening situations in support of himself, friends and family.

Some of his long standing friends from his fraternity include *Dr. Prahalad Rao, Dr. Razak Bhai, Dr. Saibaba Reddy, Dr. Varaprasad Rao, Dr. C.B.N. Krishna murthy, Dr. Kottaiah, Dr. Ram Murthy, Dr. Ramana Murthy.*

Vanaprastasramam

- He lived a worthy and fruitful life with peaceful vanaprastasramam in Bangalore with so many memories to relish on.

Invited Talk

Use of Nanozymes in Effluent Treatment Plant

Organized by Department of Chemical Engineering JNTUA CEA
Under Institution of Chemical Engineers (IIChE) Local Chapter
Venue: Seminar Hall of Chemical Engineering Department

Date: 04-03-2024

With the development of industry, environmental pollution is becoming a global problem, affecting our normal way of life and potentially threatening our future survival. One of the fundamental difficulties is the efficient removal of pollutants and toxic compounds that accumulate in wastewater over time. Strategies to remove contaminants from wastewater include physical methods such as filtration, centrifugation and adsorption, chemical methods such as flocculation, precipitation and REDOX, and biological methods such as enzymatic and microbiological methods. Traditional physicochemical methods are not efficient enough and often come with toxic byproducts. With the advantages of high removal efficiency, mild reaction conditions, and low equipment requirements, enzymatic methods have become an effective way to address these environmental problems. The advantages of nanozymes in wastewater treatment include low cost, ease of preparation, low environmental impact and reusability. In addition, the physical and chemical properties of nanozymes are beneficial for wastewater treatment. Creative Enzymes, as a leading global company, is committed to helping our clients achieve effective and successful research. We have developed a variety of enzymes and schemes for treating wastewater, including dye, refractory organic, emulsion wastewater.

Nanozymes for Treatment of Dye Wastewater

After some dyes used in the printing and dyeing industry are discharged into the water, they not only emit bad odors and affect the urban beauty, but also have carcinogenic and mutagenic effects on humans and aquatic organisms. Therefore, it is crucial to eliminate them. At present, pollution caused by industrial wastewater discharge accounts for the dominant position of water pollution. In particular, among the various pollutants in the textile processing industry, the demand for dye-containing colored wastewater is prominent in treatment and collection. Dye wastewater is one of the types of industrial wastewater whose various physical and chemical treatment steps are more time-consuming, costly, and inefficient.

Nanozymes for Treatment of Refractory Organic Wastewater

Due to the rapid development of industry and agriculture in society, many chemical substances cause serious pollution to the water environment due to the abuse of chemicals and drugs and inadequate disposal of wastewater. Some refractory organic pollutants have complex chemical compositions and are generally not degraded by conventional methods.Therefore, how to achieve effective degradation of refractory organic pollutants and reduce their pollution and harm has become a research hotspot in the environmental field. Creative Enzymes offers a variety of nanozymes that have demonstrated the most outstanding performance due to their low cost, stable properties and environmental friendliness.

Nanozymes for Treatment of Emulsion Wastewater

With the continuous improvement of people's living standards, the production scale of the daily chemical industry is also expanding. In the process of production and use of daily chemical products, a large number of emulsion wastewater containing surfactants (such as sodium linear alkylbenzene sulfonate), oils, pigments, antioxidants, emulsifiers and other organic matter is inevitably produced. Many of these products are discharged into wastewater after use, seriously damaging the water environment.Some magnetic nanozymes can not only achieve efficient demulsification, but also effectively recover demulsifier, so they have attracted more and more attention. Based on this research, Creative Enzymes offers a variety of nanozymes for emulsion wastewater treatment.

The program is closed at 4.30 PM. A small momento as token of respect is given to Prof. AVN Swamy by Prof. T. Bala Narasaiah, Professor of Chemical Engineering at the end of the session.

About the Speaker

Prof. AVN Swamy did his B.Tech & M. Tech in Chemical Engg. in the year 1976, 1980 from HBTI, Kanpur and PhD from IIT Bombay in the year 1984 He has more than 50 International publications and 3 books and 1 book chapter. He visited several countries like USA, Europe, Singapore etc on part of his academic collaborations. His main area of research is Bio Chemical Engineering. He is having one design patent on bio reactor. He was professional member for different professional bodies such as Fellow of The Institution of Engineers (INDIA). [FIE], Life Member of The Indian Institute of Chemical Engineers (IIChE), Life Member of ISTE, and Member of Association of Biotechnology and Pharmacy.

Penn State University Representatives Visit JNTUA

Date: 01-03-2024

Vice-Chancellor Prof. G.V.R. Srinivasa Rao, along with university officials had a meeting with the representatives of Penn State University Dr. Hamid Ansari, Dr. Venkataraman, Dr. Sai Ram, Dr. Todd Clark, and T.V. Reddy in the University conference hall. Speaking on this occasion, the Vice-Chancellor said that issues like degree program, research collaboration and faculty exchange were discussed during the meeting. Later they visited the campus college at Ananthapuramu. University Rector Prof. M. Vijaya Kumar, Registrar Prof. C. Sashidhar , Directors Prof. P. Sujata, Prof. V. Sumalatha, Prof. E. Kesava Reddy, Prof. C. Shoba Bindu, Prof. N. Visali, Prof. V.B. Chitra, Prof. Suresh Babu, Prof. B, Durga Prasad, Prof. B. Eswar Reddy, College Principal Prof. S.V. Satyanarayana, Vice Principal Prof. E. Arunakanthi, HODs Prof. Bhuvana Vijaya, Dr. K. F. Bharathi, Dr. Lalitha Kumari, Dr. Ramasekhara Reddy, Dr. T. Narayana Reddy, Dr. Om Prakash, Dr. Dilip Kumar and Prof. Ajitha participated in the discussions.

JNTUA Accredited with "A' Grade by NAAC

Date: 01-03-2024

JNTUA Vice Chancellor G.V.R. Srinivasa Rao on **01.03.2024** (Friday) said that the University has been Accredited with an "A' Grade by the National Accreditation and Assessment Council (NAAC) in the first cycle. The Accreditation is valid for a period of five years. The NAAC team inspected the University between February **22.02.2024** and **24.02.2024.** The NAAC accorded "A" Grade to the JNTUA and informed the JNTUA officials. The Vice Chancellor Prof. G.V.R. Srinivasa Rao said that the University will now get National recognition and more funds from the University Grant Commission. In this meeting Registrar Prof. C.Sashidhar, Prof. G.V.Subba Reddy, Prof. B. Eswar Reddy, Prof. N. Vishali. Prof. P. Sujatha, Prof. B. Durga Prasad, Prof. C. Shobha Bindu, Dr. T. Narayana Reddy were present.

"Real education consists in drawing the best out of yourself. What better book can there be than the book of humanity?"

Timeline of JNTUA's achievement of NAAC 'A' Grade

- A Report by Dr. G.V. Subba Reddy, Director IQAC, JNTUA

J.N.T. University Anantapur, Ananthapuramu has submitted Self Assessment Report (SSR) in August, 2023 to the NAAC for getting accreditation by considering JNTUACE Anantapur, JNTUACEP Pulivendula, JNTUACE Kalikiri, JNTUA SMS and JNTUA OTPRI. The University has submitted Data Validation and Verification (DVV) clarifications subsequently to the NAAC and accepted the SSR. The NAAC Peer Team consisting of six members headed by Dr. Parag Sanghani, Pro-Vice chancellor, P.P. Savani University, Dhamdod, Gujarat visited the University during **22-24 February 2024.** The SSR was submitted for the assessment of data and documents for the academic years 2017-2022. During this assessment period University has claimed an average of 333 Faculty members, out which 143 faculty members possessing Ph.D degree. University has claimed 106 value added courses completed by our students through NPTEL with credit transfer as per UGC guidelines. University has awarded 457 Ph.D degrees during the assessment period. Faculty members published 3111 publications in Scopus and Web of Science Journals with total citations 14,860. University has been recognised under 12(b) and 2(f) by University Grants Commission in 2010. Students and faculty members received 123 awards from A.P State Govt, Govt. of India, ISTE, IEA etc. Faculty members have received major Research Projects from different funding agencies like, AICTE, DST, MoRT, BRNS etc worth Rs. 213.502 lakhs. University also received good amount of revenue from consultancy during this assessment period. The NAAC peer team members visited all the departments of CEA, Directorates during 22-24, February 2024. The peer team visited the students projects exhibition and they have spent about one half hour seeing the cultural program performed by our students in the evening of 22nd February 2024. The University Leadership, Directors, Principals, Vice Principals, Heads of the Departments, Officer in Charges of concerned sections, and faculty members worked together with excellent cooperation to showcase all the facilities, University and constituent Units credentials. One of the greatest achievements is University got 3.6 out of 4 grade point in the online Students Satisfaction Survey (SSS) conducted by NAAC. Further, the Peer Team appreciated the University with respect to Alumni Network & their feedback and faculty feedback. The NAAC Peer Team also appreciated the University in terms of infrastructure available i.e. land for about 500.8 Acres and construal area of 254946.20 sq.m. University has established computers laboratories with 2266 computers in all the constituent units and commissioned 1472 kWh solar energy at CEA, CEK and CEP. The Peer Team conducted the exit meeting on 24th February 2024 at 5.00 PM and the Peer Team suggested certain aspects on further improvement in laboratories, library, students placement, higher studies, increase faculty with Ph.D and establishment of Incubation and innovation through which students should be encouraged for doing of societal need good projects. The Peer Team has submitted their report by online on 24th February 2024 at 4.30 PM. ***The NAAC 188th Meeting of the Standing Committee on 29th February 2024 recommended for Accreditation with "A" grade to the JNTUA.*** The NAAC Accreditation is **valid up to 28th February 2029.** The University has convened a meeting on 01.03.2024 and University administration congratulated all the Teaching and non-teaching staff who have constantly supported to receive NAAC "A" grade accreditation. This NAAC "A" grade accreditation is applicable to all the constituent college of JNTUA. The faculty members of JNTUA will be recognised by the statutory bodies to draw as expert members for various committees because of the granted NAAC accreditation as per the Govt. norms. The NAAC accreditation of University will give visibility to the public and various stakeholders increase the perception and will also give the opportunity for foreign students' admission.


राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
Certificate of Accreditation
The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare
Jawaharlal Nehru Technological University, Anantapur
Ananthapuramu, Andhra Pradesh as
Accredited
with CGPA of 3.03 on four point scale
at A grade
valid up to February 28, 2029
Date : February 29, 2024
Director

About the Author

Dr. G.V. Subba Reddy is a Professor of Chemistry at JNT University Anantapur. Presently he is the Director for Internal Quality Assurance Cell (IQAC). His areas of specialization include Analytical Chemistry, Electrochemistry. Dr. G.V.Subba Reddy has contributed immensely to the growth of research in several areas of Electrochemical Techniques and Chromatographic techniques for quantitative estimation of drugs & Pharmaceutical formulation, Pesticides, Fungicides and impurities. Further, he extensively worked on environmental impact analysis of Uranium mining.

"District Level Neighborhood Youth Parliament"

Jointly Organized by

NSS Unit of JNTUA School of Management Studies and Nehru Yuva Kendra (NYK), Ministry of Youth Affairs and Sports, Government of India, Ananthapuramu.

Venue: JNTUA CEA Auditorium. Date: 06-03-2024

A program called **"DISTRICT LEVEL NEIGHBORHOOD YOUTH PARLIAMENT"** was organized under the joint auspices of the NSS unit of JNTU School of Management Studies and Nehru Yuva Kendra (NYK), Ministry of Youth Affairs and Sports, Government of India, Ananthapuramu in the JNTUA College of Engineering Ananthapuramu auditorium on **06.03.2024.** JNTU Vice-Chancellor Prof. GVR Srinivasa Rao was the Chief Guest of the program and started the program by lighting the lamp. On this occasion, the Vice-Chancellor said that the Neighbor Youth Parliament will help bring out the leadership qualities in the youth, and that young women and men should enter politics, step not only into profession but also into the country's politics. As part of Youth parliament topics like Vikasit Bharat, Atma Nirbar Bharat, Medals won by India in Asian Games, Foreign Policy, India @ 2047 as the World's largest economy, Artificial Intelligence, Chandrayaan, Bharat Ratna Awards were discussed. In this, the youth sat in place of the Speaker of the Lok Sabha, the Prime Minister, and the Home Minister as well as the Leaders of the Opposition to discuss issues on India's development. The program was accompanied by the handing over of mementos and certificates of appreciation to the talented young men by the Vice-Chancellor. In this program, ASP Mallikarjuna Verma, Smt Sridevi ICDS Project Director, Registrar Prof. C. Sashidhar, College Principal Prof. S.V. Satyanarayana, Prof. T. Narayana Reddy , NYK Incharge Mr.Srinivasulu, National Youth Awardee Mr.Bisathi Bharat, Jury Members - Zoology Lecturer G.L.N.Prasad, O. Pranathi, President's awardee Jeevan Kumar, Jaya Maruti, NSS Incharge Dr. Varalakshmi, Retd. Principal P. Ramesh Narayana, Urban Bank Director Sunkara Ramesh and 400 young men and women participated.

Freshers Day Celebrations @ JNTUA Oil Technological and Pharmaceutical Research Institute (OTPRI) Ananthapuramu.

Date: 07-03-2024

JNTU Anantapur University Affiliate Oil Technological and Pharmaceutical Research Institute (OTPRI) 2023 Batch Pharm.D. Student's welcome program **(Freshers Day)** was grandly organized on **07.03.2024.** Vice-Chancellor Prof. G. V. R. Srinivasa Rao was the chief guest of the program. Rector Prof. M. Vijaya Kumar and Registrar Prof. C. Sashidhar were guests of honour. Vice chancellor started the program by lighting the Lamp. Speaking on this occasion, the Vice-Chancellor said that Pharm.D course has a very special importance all over the world and the skills should be developed accordingly. Addressing the students, he explained the importance of artificial intelligence and machine learning in medicine. Later the guest of honor Rector Prof.M. Vijaya Kumar speaking about the development and progress of Pharm.D. course said that there are many employment opportunities in India and they should take advantage of them. He said that the students should be persistent, hardworking, study and improve their knowledge by doing research on new subjects from time to time.Later Registrar Prof. C. Sashidhar said that Pharm.D students have rendered exceptional services during the time of Covid and urged the students to continuously improve their skills in the available super specialty hospital and contribute to the growth of the society. While welcoming the new students, Prof. B Durga Prasad, Director of OTPRI advised to get along without discrimination of seniors and juniors. Afterwards all the students participated in the cultural programs and expressed their happiness. In this program Principal Dr. C. Gopinath, AR Mr. G. Shankar Reddy, Pharm.D. Head of Department Dr. E. Pawan Kumar, teaching, non-teaching staff and out-

International Women's Day Celebrations – 2024

Organized By

Directorate of Women Empowerment – JNTUA

Theme: Inspire Inclusion

- A report by Dr. V.B. Chitra, Director Women Empowerment Cell, JNTUA .

In Association with Women Empowerment Cell - JNTUA CEA
Venue: NTR Auditorium, JNTUA. Date: 07-03-2024

The Directorate of Women Empowerment, JNTUA & the Women Empowerment Cell, JNTUA CEA organized the **International Women's Day** on **07-03-2024** at NTR Auditorium with pomp and show. Hon'ble Vice-Chancellor of JNTUA, Prof.G.V.S.Srinivasa Rao graced the occasion as Chief Guest and inaugurated the event at 11.00 am. Prof.M.Vijay Kumar, Rector of JNTUA, Prof.C.Sashidhar, Registrar of JNTUA attended as guests of honor. Prof.N.Srividya, tthe Director of Sri Sathya Sai Institute of Higher Learning, Anantapur was the guest speaker. Prof.V.B.Chithra, Director of Women Empowerment, Prof.S.V.Satyanarayana, Principal of JNTUACEA, Prof. E.Arunakanthi, Vice-Principal of JNTUACEA, Prof.T.Narayana Reddy, Head of School of Management Studies, Ms.B.Ajitha, Coordinator of Women Empowerment Cell, JNTUACEA shared the dias and delivered valuable message to the audience.

Around 600 participants including students, faculty and staff of JNTUA & JNTUA CEA participated in this event. A stall was arranged to showcase the products made by differently abled women working in AME, an NGO. Cultural and literary competitions were conducted to the students and the prizes were distributed to the winners on that day. The program went on well.

In Association with Women Empowerment Cell - RIPER
Venue: RIPER Campus, Ananthapuramu. Date: 08-03-2024

On **8th March 2024**, the Raghavendra Institute of Pharmaceutical Education and Research (RIPER)- Autonomous, joyously hosted an event to celebrate International Women's Day in Collaborating with the Directorate of Women Empowerment at Jawaharlal Nehru Technological University Anantapur (JNTUA).The celebration aimed to honour the achievements of women while advocating for inclusivity and equality under the theme "Inspire Inclusion."

The theme **"Inspire Inclusion"** underscores the importance of fostering environments where every individual, regardless of gender, feels valued, respected, and empowered to contribute fully. It emphasizes the need to break down barriers and create spaces that celebrate diversity, promote equity, and enable women to thrive. Through this theme, RIPER and JNTUA of women cell aimed to inspire a culture of inclusion, where women are recognized for their talents, ideas, and leadership potential.

The event was graced by distinguished personalities in attendance included MP Indira, Inspector of Police, District Special Branch, Anantapuramu, Dr. V B Chithra, Director of Women Empowerment at JNTUA in ATP, and Mrs. M. Sireesha, Advocate in ATP. The guests participated in distributing certificates and mementos to the winners of various activities such as carroms, chess, running races, elocution, pick and speak, relay, skits on women empowerment, carving, Yoga asanas (Surya namaskar & Best pose in Yoga), etc.

The occasion was graced by residential president Dr. Y. Padmanabha Reddy, the Principal of RIPER; Mrs. S. Triveni, who serves as the Coordinator of the Women Empowerment Cell at RIPER; Dr. Vijaya Jyothi, the President of RIPER's IIC; and Mrs. Naga Shubha, who serves as the NSS Program Officer. To this program 26 teaching, non-teaching faculty members and 265 students both girls and boys had participated.

Three Day Workshop

Atal Tinkering Lab (ATL) Mentorship

Organized by

Electrical and Electronics Engineering Department JNTUA CEA & Board for Community Development through Education (BCDE), Govt. of Andhra Pradesh.

Date: 13-03-2024 to 15-03-2024

A workshop on Atal Tinkering Lab Mentorship was held for three days from **13.03.2024 to 15.03.2024** at Electrical and Electronics Engineering department of JNTU Anantapur College of Engineering Ananthapuramu. Vice Chancellor Prof. G.V.R. Srinivas Rao inagurated the program. Later the Vice-Chancellor said that the youth should develop their ability to provide technological solutions to the problems in the society and if they have the enthusiasm to learn new things and technology they can solve the problems of the society.This program was jointly organized by Department of Higher Education, Board for Community Development through Education (BCDE), UNICEF, Vigyan Ashram, Pabal, District Pune. State Government has established Atal Labs in Government High Schools. BCDE jointly trains the students of higher education on Atal Labs and they in turn train the high school students at Atal Labs of high schools. Students of affiliated colleges of the university attended this three-day training program. As part of the three-day training, students visited Atal Lab at APRS School located in Kurgunta village. Principal of the college Prof. Satyanarayana, Secretary and CEO of BCDE Prof. Deva Kumar, BCDE University Coordinator Dr. Srinivasulu, UNICEF Coordinator Mr.Sudarshan, Vigyan Ashram Program Officer Kishore Gaikwad, District Science Officer Balamuralikrishna and students from various colleges participated.

Prof. T. Thyagarajan 1979-83 Alumnus, Emeritus Professor & NAAC Assessor from Anna University, Chennai Felicitated @ JNTUA on 15.03.2024

Prof. T. Thyagarajan 1979-83 Alumnus, Emeritus Professor & NAAC Assessor from Anna University, Chennai visited JNTUA on **15.03.2024,** his first after the university was accredited with NAAC A grade. A meeting was chaired by the Vice Chancellor in the university conference hall attended by Rector, Registrar, Directors, Principals of constituent units, Heads of the departments and other officers. In the meeting Prof T.Thyagarajan at the outset congratulated all members for achieving NAAC A grade. He discussed the grading accredited to the University by the council. He presented gap analysis based on the points accrued credit-wise. He made recommendations for quality improvement and presented roadmap for NAAC 2029. He said that JNTUA University will get NAAC **'A++'** grade by the year 2029 by following the various points suggested by the NAAC committee and undertaking development in the coming period. The University leadership appreciated the efforts of Prof Thyagarajan for making multiple visits to the campus for provinding guidance and also for arranging and being part of mock NAAC peer team visit. The meeting ended with the felicitation of Prof.T.Thyagarajan by the university leadership.

Research Review Meetings conducted @ JNTUA

Date: 16-03-2024

Vice-Chancellor Prof. G.V.R. Srinivasa Rao reviewed research review meetings (RRMs) conducted by Directorate of Research and Development by visiting the various departments at JNTUA CE Ananthapuramu on **16.03.2024.** On this occasion, the Vice-Chancellor said that once every three months a research review meeting is held, and as part of this, the work progress of the research students from the previous review meeting to this review meeting will be reviewed. He said that various committees have been formed in each department for the review meetings and the review will be conducted under their auspices.On this occasion, the Vice-Chancellor visited the Science Block, Computer Science & Engineering Department, MBA Department, Electrical and Electronic Engineering Department, Electronics & Communications Engineering Department, Mechanical Engineering Department, Civil Engineering Department and gave various suggestions to the research students. In this program, Director (R&D) Prof. B. Eshwar Reddy, College Principal Prof. S.V. Satyanarayana, HoD's and Professors of various departments participated.

Vice-Chancellor felicitated by JNTUA Outsourced (APCOS) Employees Association

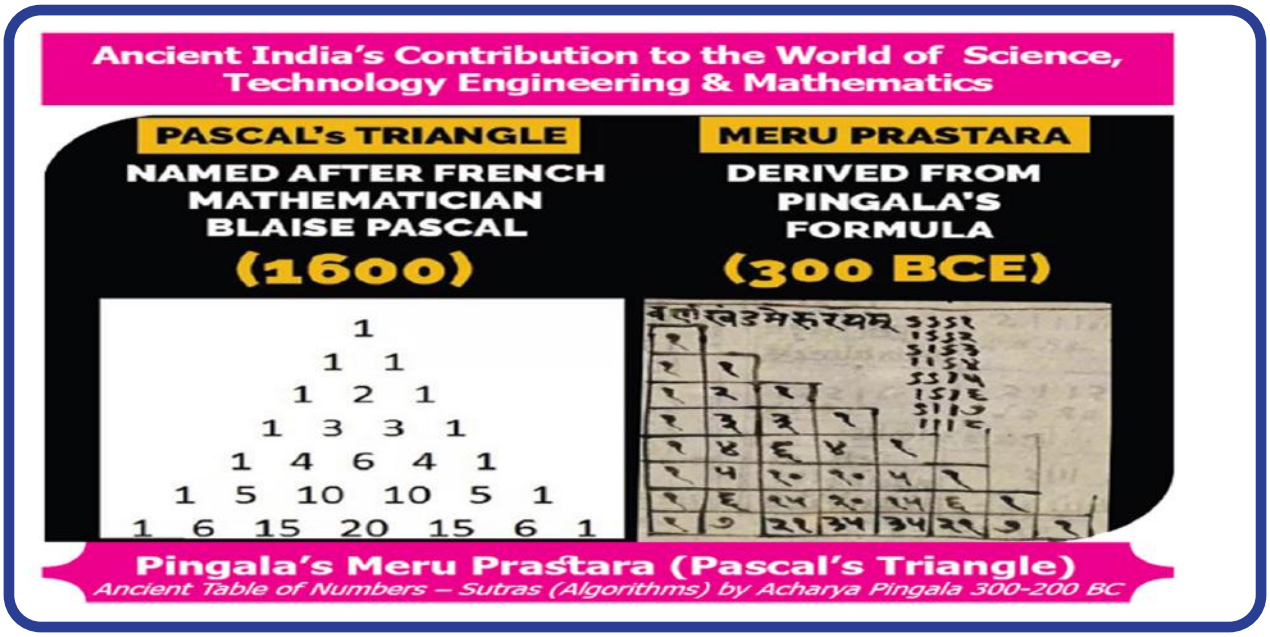
Venue: Aryabhatta Auditorium, JNTUA Date : 16-03-2024.

JNTUA Vice-Chancellor Professor G.V.R Srinivasa Rao was felicitated by **JNTUA Outsourced (APCOS) Employees Association** in the **Aryabhatta auditorium** of new Administration Building. In a meeting organised by the members of the association all the outsourced (APCOS) employees working in the university were introduced to Hon'ble Vice-Chancellor. Rector and Registrar were also present in this progra m. The association office bearers presented the importance of outsourcing employees working in the University and made a representation about their problems to the Vice-Chancellor.Later in the program, the Vice-Chancellor said that the role of APCOS employees is very important in the development of the university, and said that all the employees should work in a friendly environment by providing support to each other. Rector Prof. M. Vijaya Kumar said that many of the employees are working better now than before, but they need to work better. Registrar Prof. Sashidhar said that employees should work well, those who are doing good work will also get good benefits, and besides the job, they will go to a good position in their life. He informed about the importance of the employees association and said that if the problems of the employees come through the association they can be resolved. Later members of the association honored the Vice-Chancellor Prof. GVR Srinivasara Rao with a shawl and presented him a bouquet and a memento. JNTUA APCOS Employees Association President O.Shirish Reddy, Secretary D. Venkata Ramadu, Treasurer D.Rahmatullah, Vice-President M. Kristayya, Joint-Secretary A. Sainath, Convenor G. Diwakar, and Executive Committee Members Mr. Venkataramudu, Madhusudhana Reddy, Pawan Kumar, Ravi Shankar, Sasikala, Lakshmi Devi, Sanjeeva Reddy, Reshma Bhanu, Nagabhaskara Rao, Prabhakar Naik, Krishna Prasad, Mohammed Rafi, Balakrishna, Harikrishna and other employees attended the program.

Amarajeevi Potti Sreeramulu 123rd JAYANTHI Celebrations @ JNTUA, Ananthapuramu.

Date: 16-03-2024

Amarajeevi Potti Sriramulu Jayanthi celebrations were held in the Administration Building at JNTUA Ananthapuramu on 16.03.2024 (Saturday). Vice -Chancellor Prof. GVR Srinivasa Rao was present on the occassion. University officials and staff paid homage by garlanding the portrait of Sri Potti Sriramulu. On this occasion, the Vice -Chancellor said that he was a great man who gave up his life for the formation of the state of Andhra Pradesh and stood entire life for the ideals truth, non –violence and Harijanodharana taught by Mahatma Gandhi. Vice Chancellor further added that Sriramulu's service in the Sabarmati Ashram was historic, and Potti Sriramulu played a prominent role in the struggle of independence and fasted unto death in 58 days seeking formation of Andhra Pradesh. He said that everyone should adopt the distinctive personality and perseverance of the Potti Sriramula. Rector Prof. M Vijaya Kumar and Registrar Prof. C. Sashidhar, University Directors Prof. V. Sumalatha, Prof. E. Keshava Reddy, Prof. B. Ishwar Reddy, Prof. G.V. Subba Reddy, Prof. P. Sujatha, Prof. Padma Suvarna, Prof. Suresh Babu, Prof. Kiranmai, Prof. N. Visali, former Vice Chancellor Prof. G. Ranga Janardhana and Rtd. Professor Dr. Sankar , College Principal S.V. Satyanarayana, Prof. K. Madhavi, Dr. Ramasekhara Reddy, Dr. Om Prakash, University DRs and ARs, teaching, non -teaching staff and outsourcing staff participated.



Invited Talk (Virtual) by Alumnus

Further studies & Career opportunities Abroad

Organized by Department of Chemical Engineering JNTUA CEA Under Institution of Chemical Engineers (IIChE) Local Chapter

Venue: Seminar Hall of Chemical Engineering Department. Date : 16-03-2024

The event was started at 9.00 AM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. **Mrs. Srujana Routu** has given overview of American Higher education as well as career prospectus in other countries like Australia, Germany, Singapore etc. There has been a considerable increase in the number of Indian students who have decided to study abroad after graduation from India. A prominent reason behind their choice is the fact that the Indian corporate sector appreciates foreign degrees from top international universities abroad more as compared to an Indian master's degree. Furthermore, universities abroad offer high-quality higher education, superior facilities, and, most crucially, a greater emphasis on research. As a result, an increasing number of Indian students want to study abroad after graduation from India. Read more to know about advantages, disadvantages and how to study abroad after graduation from India.

Indian students pursue higher education aspirations in Canada, a coveted destination offering opportunities post-graduation. Renowned universities, multicultural environment, and progressive policies attract students seeking quality education and promising career prospects. They have a diverse array of options, including academic endeavors, employment opportunities, and potential permanent residency. As Indian students pursue their higher education aspirations abroad, Canada has emerged as a coveted destination offering a plethora of opportunities post-graduation. With its renowned universities, vibrant multicultural environment, and progressive policies, Canada attracts a significant number of Indian students seeking quality education and promising career prospects. Upon completing their studies in Canada, Indian students are presented with a diverse array of options to explore.

The program is closed at 10.30 AM. Valedictory remarks given by HOD at the end of the session and a great round of applause has given to Mrs Srujana for her outstanding and potential and impressive talk which inspired many young students towards higher education in foreign universities.

About the Speaker

Mrs. Srujana Routu did her B. Tech in Chemical Engg. from JNTUA College of Engineering, Anantapur in the year 2010 (2006 Alumni Batch of the department).She was one of the topper in the Batch 2006-2010 and recipient of many meritorious awards at under graduate level. She worked as Technology Lead in Cognizant Technologies as Full-time from Jul 2010 - Jan 2016. Right now, she is worked as Integration Specialist in Modern Niagara, Toronto, Ontario, Canada as Permanent Full-time employee from Oct 2021 to till date.

Week-long (18 - 24 March 2024) NSS Camp under the aegis of National Service Scheme (NSS) Unit III of JNTUA CEA Ananthapuramu at Ramanepalli Village of Rapthadu Mandal.

As part of the week-long program from **18.03.2024** to **24.03.2024** under the aegis of National Service Scheme (NSS) Unit III of JNTUA CE Ananthapuramu a special NSS camp was inagurated on 18-03-2024 (Monday) at Ramanepalli gramam of Rapthadu Mandalam. Prof. S.V.Satyanarayana, Principal JNTUA CEA was the chief guest for this program. On this occasion the Principal said that special camp was organized by NSS Unit III of Anantapur Engineering College and 50 enthusiastic volunteers selected from ECE and Mechanical Engineering Departments participated. These volunteers will engage in various community service projects aimed at meeting the local needs and sustainable development. Activities include planting trees, maintaining cleanliness, creating awareness on health issues, and skill development sessions. He also said that service activities inculcate discipline in the students, not only in studies but also in service activities. College Vice Principal Prof. E. Arunakanthi speaking on the occasion said that everyone should follow the path of service right from the student stage and then grow up as a selfless person. She said participants had the opportunity to interact with local residents, gaining valuable insight into the community's challenges and aspirations. The program was conducted and coordinated by NSS Program Unit III Officer Dr. G. Mamatha. Students and villagers participated in the program.

One day program on planning, training and review meeting for program officers of NSS Units of 05 districts under the auspices of NSS Cell of JNTU Anantapur. Venue: Aryabhatta Auditorium JNTUA. Date : 23-03-2024.

A **one day program** on planning, training and review meeting was organized on **23.03.2024** for 113 program officers of NSS Units of 05 districts under the auspices of NSS Cell of JNTU Anantapur at Aryabhatta university auditorium. Chief guest of the meeting Prof. M.L.S. Deva Kumar Secretary & CEO of Board for Communtiy Development Through Education (BCDE), Government of Andhra Pradesh said that there will be discussion on the training, planning and review of NSS. This program is a part of the NSS to review the previous activities and plan activities for the coming year. He elaborated about the important aims and objectives of NSS and asked each NSS volunteer to participate in the Swachh Bharat and Clean India programs which are very useful for the society and ensure that the environment is very beautiful and clean. SKU Prof. K.Ramana said that helping everyone in daily life, especially blood and rice donation, helping orphans, old people, orphanages and inculcating the respect of hard work among volunteers and students. NSS Cell University Coordinator Dr. S. Sharada speaking on the occasion said that the university should be at the forefront of the country in nation building and development, and the program officers should work hard to help the development of the country by instilling these feelings in the students. In this program 105 NSS Program Officers from Anantapur and other districts participated.

CONTRIBUTION OF ARTICLES TO THE E-MAGAZINE

TECH ANANTH

The members of the JNTUA fraternity all students, facility and alumni are requested to contribute for publication in the monthly illustrated on –line e-magazine 'Tech Ananth' of the University. The members can send submission to the editorial team email id<emagazine@jntua.ac.in>. the members can send reports of important events along with photos details of achievements such as awards, prestigious assignments and funded projects, success/inspirational stories for alumni, articles on science and technology which induce technical respective fields can write to the same email id by including <career counselling request> in the subject-line of the email id. Senior professors of the University shall answer to the counselling related questions which will be published. Members contributing articles shall give their full details such as Name, Designation, College, and Department with mobile number and email ID for correspondence.

Editorial Team
emagazine@jntua.ac.in

Invited Talk (Virtual) by Alumnus

Career Prospects and Practical Tips to Study in Canada

Organized by Department of Chemical Engineering JNTUA CEA
Under Institution of Chemical Engineers (IIChE) Local Chapter
Venue: Seminar Hall of Chemical Engineering Department

Date: 23-03-2024

The event was started at 9.00 AM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. **Mrs. Lakshmi Chaitanya** has given overview of Higher education and career oppurtunities in Canada as well as other countries like Australia, Germany, Singapore etc.

She started with brief introduction of Canadaian education. Before choosing a study program, spend some time thinking about your areas of interest and long-term career goals. This will help you narrow down your options to programs that align with your interest. If you already have a target career in mind, you may also want to go through some job postings in that field to see what education requirements employers are looking for.If you're unsure, don't worry. You may still have room to change your mind later. If you're applying to an undergraduate program or Bachelor's in Canada, you generally don't need to commit to a specialization at the time of admission. Instead, you have the freedom to pick a general subject and then opt for specific courses or electives that interest you as you progress in your studies. Universities may offer more flexibility compared to colleges, and you'll have a wider range of subjects to choose from.

Canadian universities offer undergraduate (or bachelor) and graduate (or master's or doctoral) programs in academic or professional fields. Once you have completed the program, you'll be awarded a degree. Undergraduate programs typically require three years of study with a fourth "honours" year, if you want admission into a graduate program. Some undergraduate university programs, like Engineering, may require four years to complete. If you're looking for admission into specialized professional programs such as Medicine, Law, and Dentistry, you may first need to complete two to four years of undergraduate study with relevant courses to qualify.Graduate (Master's) programs are only offered by universities and you'll require an undergraduate degree, and in some cases, prior work experience, to be eligible. In addition, many universities also offer doctoral or PhD programs across various fields.

Canada is a vast country known for its standard of living, medical benefits, safety and security, scenic landscapes, and great employment opportunities. The country is a popular study abroad place among international students, as it not only offers students the best program options but also ample job opportunities after Masters in Canada.

Amidst the technological boom, the job market for international MS students in Canada remains predictable. Known for affordable world-class education, Canada also hosts top multinational corporations and industries, offering lucrative employment prospects to international students. Canada is considered to be one of the top study destination with affordable, world-class education continues to grow. It boasts opportunities with leading multinational corporations and industries, offering lucrative positions for international students. For international students completing their Masters in Canada, opportunities like PGWP and permanent residence await.The job opportunities in Canada have remarkably surged across sectors, attracting graduates from top universities. Employers seek skills such as critical thinking, problem-solving, analytics, and technical expertise.

The program is closed at 10.30 AM. Valedictory remarks given by HOD at the end of the session and a great round of applause has given to Mrs Lakshmi Chaitanya G for her outstanding and potential and impressive talk which inspired many young students towards higher education in foreign universities.

About the Speaker

Mrs. Lakshmi Chaitanya did her B. Tech in Chemical Engg. from JNTUA College of Engineering, Anantapur in the year 2010 (2006 Alumni Batch of the department). She was one of the topper in the Batch 2006-2010 and recipient of many meritorious awards at under graduate level. She has worked as IBM Data Specialist, Technical & Team Lead, IBM CANADA LTD, Toronto, Ontario, Canada. She is expertised in Core Java and J2EE Application Development. She was one of the topper in the Batch 2006-2010 and recipient of many meritorious awards at under graduate level.

Invited Talk (Virtual) by Alumnus

Overview of Chemical Engineering: Scope & Opportunities

Organized by Department of Chemical Engineering JNTUA CEA
Under Institution of Chemical Engineers (IIChE) Local Chapter
Venue: Seminar Hall of Chemical Engineering Department. Date: 30-03-2024

The event was started at 10.00 AM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. **Dr. Vishnu Raja Reddy Palleti** has given overview of Chemical Engineering Education in India and Abroad. He narratted

Chemical engineering is a diverse and dynamic field that applies principles of chemistry, physics, biology, and mathematics to solve real-world problems related to the production of chemicals, materials, energy, pharmaceuticals, food, and more. Here's an overview of opportunities in chemical engineering:

Process Engineering: Chemical engineers are heavily involved in designing, optimizing, and operating industrial processes for the production of various chemicals and materials. This can range from traditional chemical plants to biorefineries and advanced manufacturing facilities.

Energy Production and Sustainability: With a growing focus on sustainability and renewable energy sources, chemical engineers play a crucial role in developing processes for the production of biofuels, hydrogen, and other sustainable energy sources.

Environmental Protection: Chemical engineers work on developing technologies for pollution control, waste treatment, and environmental remediation. They are involved in designing systems to minimize the environmental impact of industrial processes.

Biotechnology and Pharmaceuticals: Chemical engineers contribute to the development and production of pharmaceuticals, vaccines, and biopharmaceuticals. They work on processes involving fermentation, cell culture, and downstream processing.

Food and Beverage Industry: Chemical engineers play a key role in the food and beverage industry, working on processes for food production, preservation, and packaging. They ensure food safety and optimize production efficiency.

Materials Science and Nanotechnology: Chemical engineers are involved in the design and synthesis of new materials with specific properties for various applications, including electronics, biomaterials, and coatings.

Semiconductor and Electronics Industry: Chemical engineers contribute to the semiconductor and electronics industry by developing processes for microchip fabrication, semiconductor manufacturing, and electronic device packaging.

Oil and Gas Industry: Chemical engineers work in various aspects of the oil and gas industry, including exploration, production, refining, and petrochemicals. They develop processes for extracting, refining, and transporting fossil fuels.

Consulting and Management: Chemical engineers often work in consulting firms, providing expertise to a wide range of industries. They also pursue careers in management, overseeing projects, teams, and operations.

Research and Development: Chemical engineers are involved in research and development in both industrial and academic settings. They work on developing new technologies, improving existing processes, and advancing scientific knowledge.

Entrepreneurship: Chemical engineers have the opportunity to start their own businesses, either by commercializing new technologies or by providing specialized services to industries.

Chemical engineers deal with the transformation of raw materials into useful products that have an impact on virtually every facet of human life.With so many applications, there is certain to be a career path that matches your skills and passions. Whether you like chemistry, math, biology, physics, computers, data science, medicine, environment, energy, or one of many other topics, there's a career path that lets you focus on what you enjoy while earning a good living. With a chemical engineering degree, you have many choices!Chemical engineers apply the principles of chemistry and engineering to solve problems involving the production or use of chemicals, building a bridge between science and manufacturing. They design equipment and develop processes for large-scale chemical manufacturing, plan and test methods of manufacturing, treat the by-products of manufacturing and supervise production. Chemical engineers create drug delivery systems, numerical models for atmospheric pollution problems, as well as magnetic and electronic materials. They also work in a variety of manufacturing industries such as those producing electronics, photographic equipment, clothing, and pulp and paper.

The program is closed at 10.30 AM. Valedictory remarks given by HOD at the end of the session and a great round of applause has given to Dr. Vishnu Raja Reddy P for his outstanding and potential and impressive talk which inspired many young students towards higher education in india and foreign universities.

About the Speaker

Dr. Vishnu Raja Reddy Palleti did his B. Tech from JNTUA CEA in the year 2017. He obtained his Masters degree in Chemical Engineering from IIT Guwahati and PhD from University of Queensland, Australia. After his PhD, he joined as Simulation Engineer at 3D Engineering Automationa LLP, Maharashtra for a period of 2 years. At present, he is serving as R & D Engineer/Scientist-II in Honeywell, UOP, Gurgaon, New Delhi.

Invited Talk (Virtual) by Alumnus

Embrace Continuous Learning to Achieve Excellence

Organized by Department of Chemical Engineering JNTUA CEA

Under Institution of Chemical Engineers (IIChE) Local Chapter

Venue: Seminar Hall of Chemical Engineering Department. Date: 30-03-2024

The event was started at 5.00 PM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. **Dr. Anand Kumar Atmuri** has given overview of Continuous Learning and Improvement.

Continuous learning is the ongoing expansion of knowledge and skill sets. In the context of professional development in the workplace, it's about developing new skills and knowledge, while also reinforcing what has been previously learned. The definition of continuous learning is broad -- it can be formal or informal and structured or unstructured in nature. Activities can include taking a formal course, observing more experienced employees, asking for assistance with an unfamiliar topic, exploring new and alternative work methods, studying, having casual conversations and practicing the use of a skill.

Daily habits and practices form the foundation of continuous learning. This type of learning works through any means of knowledge intake and can continue as lifelong learning. Continuous learning initiatives in the workplace have the potential to increase employee engagement, job satisfaction and knowledge retention. To stay competitive, organizations must continually adapt to changing social and economic environments. Because an organization's success depends on its people, it's important for employee skill sets to evolve to meet the demands of the business climate. Continuous learning is one way to do that.

On an individual level, continuous learning is defined by the practices the individual carries out daily in order to continue increasing knowledge. For example:

Asking for help when something is not understood

Observing more experienced employees at work

Trying new ways of doing things and exploring alternative methods

Practicing what has been learned already

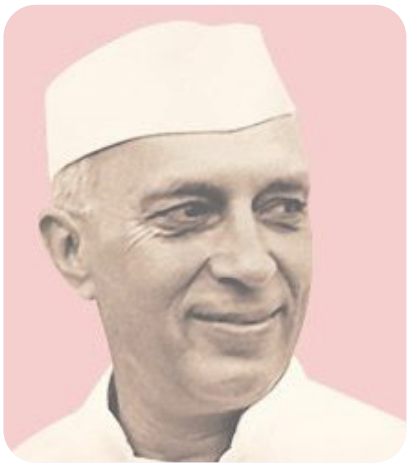
Finding ways to improve such as taking up training programs or online seminars outside of work

In the organization, continuous learning has to do with shaping a team to adapt to changes in the business environment. This is very important because the ever-changing economic climate demands that any team be up to date with the latest knowledge and also be flexible and easily adaptable to any changes that may be required.

The program is closed at 6.00 PM. Valedictory remarks given by HOD at the end of the session and a great round of applause has given to Dr. Anand Kumar Atmuri for his outstanding and potential and impressive talk which inspired many young students towards higher education& career prospectus in India and abroad.

About the Speaker

Dr. Anand Kumar Atmuri did his B. Tech from JNTUA CEA in the year 2007. He obtained his Masters degree in Chemical Engineering from IIT Bombay and PhD from University of Massachusetts Amherst, USA. After his PhD, he worked in various organizations in different capacities. At present, he is serving as Resin Development Manager, Global Auto/IC Product Development, Pittsburg, Penssylvania, USA.



It is a fundamental rule of human life,
that
if the approach is good,
the response is good.
-Pandit Jawaharlal Nehru

KSRM College of Engineering KADAPA - 516 005.

Events Organized during March 2024.

◆ Women's day celebrations

Women empowerment Cell, Anti Sexual Harassment cell and NSS Cell Conducted International women's day celebrations at KSRM College of Engineering Smt.C. Sai Grace CEO of STEP addressed the gathering about Women how to turn themselves to reach higher position Further, she explained about Empowering themselves. College Correspondent Smt.K.Rajeswaramma graced the event and conveyed wishes to all the attendees on the occasion of International Women's Day. Dr. G.Hemalatha,HoD,ECE; Dr.M.S.Priyadarshini, HoD, EEE and Dr.I.Sreevani, HoD,H&S Department; the faculty and students of all the departments gathered and made the programme a grand success

◆ Industrial Visit by Mechanical Engineering Students

The Department of Mechanical Engineering organized an Industrial visit to KLR U-PVC windows and Doors on **2nd March 2024.** IV Sem Mechanical Engineering students attended this industrial visit. Sri. A. Hari Krishna and Sri. G. Venkata Subbaiah, acted as the coordinators for this visit.

◆ Workshop on Advanced NDT Techniques

The Department of Civil Engineering in association with the ICI Students Chapter, KSRMCE has organized a one-day student workshop on "Advanced NDT Techniques: A Deep Dive into UPV and Rebound Hammer Applications", on **7th March 2024** at CE seminar Hall. Around 110 undergraduate students of Civil Engineering have attended the workshop. Sri G Chennakesava Reddy, Asst. Professor and Dr. M.V. Ravi Kishore Reddy, Associate Professor acted as the coordinators for the event.

◆ A two day 'Startup Jatara'

AIC-SKU Conducted a two day Startup Jatara on **9-10, March, 2024**. In this connection, KSRM College of Engineering received an award in Innovation Ecosystem enabler (Institute category) and Dr. M. Venkatanarayana, Professor, E.C.E Department and Dean CRI, received an award in Innovation ecosystem enabler- Individual category.

◆ Students participated in Paper Presentation at AITS

IV Sem EEE students Miss. A.Pallavi and Miss. A.Malleswari secured III Prize in Paper Presentation and Miss. D.Gayathri, Miss. B.Rani, Mr. C.Sumanth, Miss. K.Sudha Kranthi, and Mr. M.Sreenivasulu presented technical papers in Samsleshana 2K24 held at A.I.T.S Kadapa on **10th March 24**.

◆ CSI- 2K24

The Computer Society of India (CSI) in association with the C.S.E Department has celebrated CSI-2K24 in the K.O.R Auditorium on **13th March, 2024.** On this occasion, prizes given to the winners on their performances in the events conducted during the academic year. Prof. V. Lokeswara Reddy, Head, C.S.E Department graced the event as the chief guest. Smt. B.Swetha and Sri. A. Ramprakash Reddy, Assistant Professors, CSE Department, acted as the coordinators for this event CSI-2K24.

◆ International Day of Mathematics

Every year, International Day of Mathematics (IDM) is celebrated on **March 14** to spread awareness about its role in solving real-world problems.The theme for the 2024 celebration of the International Day of Mathematics is "Playing with Math". On the occasion of International Day of Mathematics, the Department of Humanities and Sciences conducted a paper presentation programme on Applications of Mathematics in Sciences and Technology. Dr. V. Rama Chandra Reddy, Associate Professor; Dr. G. Sreedhar, Asst. Professor acted as the coordinators for this programme. Dr. G. Radha, Associate Professor and HoD in-charge, H&S, staff and students attended the programme.

◆ Guest lecture on Career Opportunities in Civil Engineering

Dr. N Amaranatha Reddy, Associate Professor and Head, Dept. of Civil Engineering, has delivered a guest lecture on **"Career Opportunities in Civil Engineering"** to the Polytechnic students at Government Polytechnic for Women Kadapa on **15th March 2024.** Students gained new things with this guest lecture. They gave good feedback on the event.

◆ Session on Business Model Canvas-BMC

KSRMCE-IIC conducted a Session on "Business Model Canvas-BMC", on **15-03-2024.** Prof. M. Venkata Narayan, E.C.E. Department and Dean, CRI acted as the resource person for this session. Students benefited more after attending the session.

◆ Food Distribution for Mentally Retarded Students by N.S.S

The NSS Unit of KSRMCE organized a Food Distribution program for Mentally Retorted Students at RASS Vikas Vihar, Near I-Town,in Kadapa on the occasion of the Anniversary of Late A.Subba Reddy (Brother-in-Law of S. Krishna Reddy, Asst.Prof in MED,KSRMCE). Nearly 40 Students had been served food by NSS Volunteers. The Management,Principal and staff appreciated NSS Volunteers on this occasion.

◆ International Conference on Women in Multifaceted Research

Dr.M.S.Priyadarshini, Professor and HoD of EEE Department acted as a Speaker in the online inaugural session of 2nd International Conference on Women in Multifaceted Research, organized by Gopal Narayan Singh University, Bihar. She delivered a lecture on the key role of Women in Engineering in achieving UN Sustainable Development Goals.

News from University

1. A meeting was held under the Chairmanship of Hon'ble Vice Chancellor on **01.03.2024** with American Representatives, Penn State University. The Rector, Registrar, and Directors attended the meeting.

2. A meeting was held under the Chairmanship of Hon'ble Vice Chancellor on **02.03.2024** with the University officials on receiving A Grade for the University in NAAC accreditation.

3. Hon'ble Vice Chancellor participated in the 6th Andhra Pradesh Higher Education Planning Board meeting held at VIT-AP University, Amaravati, Andhra Pradesh during **3-4 March 2024.** The Principal Secretary to HE, Andhra Pradesh; The Chairman, APSCHE; The Chief Coordination officer, AICTE, New Delhi; All Vice Chancellors of State Universities, Central Universities and Private Universities attended the meeting.

4. Hon'ble Vice Chancellor attended the workshop through virtual Mode on "Sensitization to Future Skill Experts", on **05.03.2024,** hosted by Andhra Pradesh State Council of Higher Education, Andhra Pradesh. The Mission Director, Future Skills Experts; the Principal Secretary, HE, AP; the Department of School Education, Govt of AP; the Chairman, APSCHE; the Vice Chancellors of JNTUK and JNTUGV; Principal Secretary, Department of School Education, Govt. of AP; the Vice Chairperson, APSCHE and the Coordinator, Future Skills & Incubation, JNTUA attended the program.

5. Hon'ble Vice Chancellor attended as a Chief Guest to the District Level Neighborhood Youth Parliament Program on **06.03.2024** jointly organized by the School of Management of Studies, JNTUA; NSS, JNTUA and Nehru Yuva Kendra (NYK). The Registrar, Head of JNTUA SMS, In-charge, Nehru Yuva Kendra (NYK), Staff and students attended the program.

6. Hon'ble Vice Chancellor participated in the Press meet in connection with AP ECET 2024 on **14.03.2024.** The Registrar, the Convener and Coordinators of AP ECET 2024 attended the meeting.

7. Hon'ble Vice Chancellor visited and inspected 29th Research Review Meeting (RRM) Boards of Civil, Mechanical, ECE, EEE, CSE, Chemical, Biotechnology, Pharmacy, Physics, Mathematics, Management and English held on **16.03.2024.**

8. A meeting was held under the Chairmanship of Hon'ble Vice Chancellor in connection with JNTUA – PTR - Gap Analysis & Roadmap for NAAC 2029 on 15.03.2024. The Rector, Registrar, Directors. Principals of constituent colleges, the Coordinators of NAAC, JNTUA attended the meeting.

9. Hon'ble Vice Chancellor was felicitated by Employees of APCOS, JNTUA in connection with Aatmiya Sammelanam on **16.03.2024.** The Rector, Registrar and staff attended the program.

10. Hon'ble Vice Chancellor paid floral tributes to Shri Potti Sriramulu on the occasion of his Birth anniversary on **16.03.2024.** The Rector, Registrar, University officials, teaching and non teaching staff attended the program.

11. Hon'ble Vice Chancellor attended the TCS Annual Meeting, "TCS SANGAM 2024" hosted for the Heads of academic institutions at Mumbai during 18-**19.03.2024.** The Head, Talent Acquisition & Academic, TCS; The CEO & MD, TCS; CHRO, TCS; The Chairman, AICTE; The Director, Indian Institute of Technology, Delhi, CTO, TCS attended the program.

12. The UG Board of Studies Chairpersons meeting was held under the Chairmanship of the Hon'ble Vice Chancellor on **22.03.2024** The Rector, Registrar, BOS Chairpersons attended the meeting.

13. Hon'ble Vice Chancellors of three technological Universities, JNTUA, JNTUK & JNTUGV, connected in virtual mode hosted by JNTUA on **26.03.2024.** The Directors of Academic & Planning of respective Universities attended the meeting.

14. Hon'ble Vice Chancellor attended the review meeting of APSCHE Edx program through virtual mode on **26.03.2024.** The Registrar, Director of Academic and planning attended the meeting.

15. A meeting with the Principals of all constituent and Autonomous colleges was held under the chairmanship of Hon'ble Vice Chancellor on **28.03.2024.** The Rector, Registrar, Director of Academic and Planning, UG BoS Chairpersons, Principals attended the meeting.

University Examinations Results

Results of the semester end examinations conducted by the university declared in the month of **March 2024** are as below.

04.03.2024

M.Sc IV Semester (R21) Supple. Exams, February 2024, B.Tech IV Year II Semester (R15) (Last Chance) Supple. Exams, December/January 2024, B.Tech IV Year I Semester (R15) (Last Chance) Supple. Exams, December/January 2024, B.Tech IV Year II Semester (R15) Supple. Exams, December 2023, B.Tech IV Year I Semester (R15) Supple. Exams, December/January 2024, B.Tech IV Year I Semester (R19) Supple. Exams, December/January 2024 and B.Tech IV Year I Semester (R20) Regular Exams, December/January 2024.

07.03.2024

M.Sc I Semester (R21) Regular & Supple. Exams, February 2024 and M.Sc III Semester (R21) Regular & Supple. Exams, February 2024.

13.03.2024

MBA I Semester (R17) Supple. Exams, February 2024, MBA II Semester (R21) Supple. Exams, February 2024, MBA II Semester (R17) Supple. Exams, February 2024, MCA I Semester (R20) Supple. Exams, February 2024, MCA I Semester (R17) Supple. Exams, February 2024, MCA II Semester (R21) Supple. Exams, February 2024, MCA II Semester (R20) Supple. Exams, February 2024, MCA II Semester (R17) Supple. Exams, February 2024, MCA I Semester (R21) Regular & Supple. Exams, February 2024 and MBA I Semester (R21) Regular & Supple. Exams, February 2024

19.03.2024

Pharm.D III Year (R17) Advance Supple. Exams, January/February 2024, Pharm.D II Year (R17) Advance Supple. Exams, January/February 2024, Pharm.D I Year (R17) Advance Supple. Exams, January/February 2024, M.Pharmacy III Sem (R17) Supple. Exams, January 2024, M.Pharmacy III Sem (R21) Regular &Supple. Exams, January 2024, B.Tech III Year II Sem (R15) (Last Chance) Supple. Exams, January 2024, B.Tech III Year II Sem (R15) Supple. Exams, January 2024, B.Tech III Year II Sem (R19) Supple. Exams, January 2024, B.Tech III Year II Sem (R20) Supple. Exams, January 2024, B.Tech III Year I Sem (R15) (Last Chance) Supple. Exams, January 2024, B.Tech III Year I Sem (R15) Supple. Exams, January 2024, B.Tech III Year I Sem (R19) Supple. Exams, January 2024, B.Tech III Year I Sem (R20) Regular &Supple. Exams, January 2024, Pharm.D (PB) II Year (R17) Advance Supple. Exams, January/February 2024 and Pharm.D(PB) I Year (R17) Advance Supple. Exams, January/February 2024.

22.03.2024

B.Pharmacy III Year II Sem (R15) Supple. Exams, February 2024, B.Pharmacy III Year II Semester (R19) Supple. Exams, February 2024, B.Pharmacy III Year I Sem (R15) Supple. Exams, February 2024 and B.Pharmacy III Year I Sem (R19) Regular &Supple. Exams, February 2024.

News from Constituent Units

JNTUA CEA

1. Hon'ble Vice chancellor attended as a Chief Guest to the 3-day Training Program on ATAL Mentorship in association with Board for Community Development through Education (BCDE) on **13.03.2024**. The Principal, JNTUCEA; the Secretary & CEO, BCDE, APSCHE; and the University Coordinator, BCDE; staff and students attended the program.

2. JNTUA College of Engineering Anantapur has organized An Overview of American Higher Education for the purpose of to create awareness among the students about higher education for UG & PG students on **16th March 2024,** Speaker details: Mrs. Srujana Routhu Integration Specialist, Modern Niagara Rocky Hill, Connecticut, United States of America (USA).

3. JNTUA College of Engineering, Anantapur organized an awareness program on "Careers prospects and practical tips to study in Canada" for the students on **23rd March 2024,** Speaker details: Mrs. Lakshmi Chaitanya G Technical and Team Lead, Data Analytics the Bank of Montreal, Canada.

4. JNTUA College of Engineering Anantapur has organized Overview of Chemical Engineering: Scope & Opportunities for the purpose of To create an awareness among the students about the career opportunities available for UG & PG students on **30th March 2024,** Speaker details: Dr. Vishnu Raja Reddy P R&D Engineer/Scientist-II Honeywell, UOP Gurgaon, New Delhi.

5. JNTUA College of Engineering Anantapur has organized Role of Chemical Engineers in Plastic Industry: Scope & Opportunities for the purpose of To create an awareness among the students about the career opportunities available in Plastic Industry for UG & PG students on **30th March 2024,** Speaker details: Dr. Anand Kumar Atmuri Resin Development Manager, Global Auto/IC Product Development, Pittsburg, Penssylvania, USA.

JNTUA OTPRI

Hon'ble Vice Chancellor attended as a Chief Guest to the Fresher's Day Celebrations of OTPRI, JNTUA on **07.03.2024.** The Director, Principal, Staff and Students attended the program.

JNTUA CEP

JNTUA College of Engineering Pulivendula has conducted a various sports, games and athletic competitions on the eve of **Sports and College day 2024.**

News from Afflitated Colleges

Hon'ble Vice Chancellor attended as a Chief Guest to the Annual Day celebrations of Anantha Lakshmi Institute of Technology and Sciences, Ananthapuramu on **01.03.2024** at 11.00 am. The Chairman, Principal, Teaching, Non-teaching staff and students attended the program.

Hon'ble Vice Chancellor attended as a Chief Guest to the Annual Day celebrations of Raghavendra Institute of Pharmaceutical Education and Research, Ananthapuramu on **01.03.2024** at 06.30 pm. The Chairman, Principal, Teaching, Non-teaching staff and students attended the program.

NCC/NSS/Service Programmes

Webinars, awareness sessions, seminars, competitions were conducted by NSS units in the month of March 2024:

1. Mera Pehla Vote Desh Keliye by G. Pulla Reddy Engineering College, Kurnool on 04.03.2024.
2. Awareness program conducted on "Mera Pehla Vote Desh KeLiye" organized by NSS Cell-MITS Madanapalli on 11.03.2024.
3. World consumer rights day conducted at affiliated colleges on 15.03.2024.
4. Blood donation camp conducted at Sree Vidyanikethan College of Pharmacy Tirupati on 19.03.2024.

" Books / Book Chapters Published "

1. Dr. T. Mariprasath and Sri. K. Kalyan Kumar faculty of KSRM College of Engineering, Kadapa published a book entitled "Solar PV System Modeling and Analysis: Design and Estimation" in River Publishers, Denmark, indexed in SCOPUS, Electronics ISBN: 9788770040907 March, 2024.
2. D. J. Sofia Priya Dharshini etal faculty of Rajeev Gandhi College of Engineering and Technology, Nandyal published a book entitled "Fundamentals of Digital Circuits" in the first edition of Scientific International Publishing House, ISBN No.:978-93-6132-071-2, March 2024.
3. Dr.S.Sowjanya faculty of Rajeev Gandhi College of Engineering and Technology, Nandyal published a book titled, "Digital Marketing" with ISBN:978-81-971254-0-9, publisher 'Vagdevi Publishers' on 26.03.2024.
4. Dr K. Venkateswara Raju faculty of Sree Venkateswara College of Engineering, Tirupati published book with thetitle "MATHEMATICAL MODELLING BASICS" at REST Publishers ISBN: 978-81-970114-3-6.

Journal/Conference Publications

The faculty members of the University published 11 research papers and affiliated colleges have published 135 research papers in peer reviewed journals, seminars & conferences during this month.

Projects Initiated/ completed

Department of Civil Engineering, JNTUA CEA generated an amount of Rs. 5,31,364 /-through Industrial Consultancy Services.

Ph.D Awarded List

Ph.Ds Awarded: The University has awarded Ph.D. to **12** research scholars during this month.

Discipline	Number of Ph.D's Awarded
Civil Engineering	01
Electrical and Electronics Engineering	02
Mechanical Engineering	01
Electronics & Communication Engineering	01
Computer Science & Engineering	01
Mathematics	03
English	02
MBA	01
TOTAL	**12**

Important National & International Days in March

March 1 - Employee Appreciation Day. The day reminds us that for any successful business it is important to have a strong employer-employee relationship.

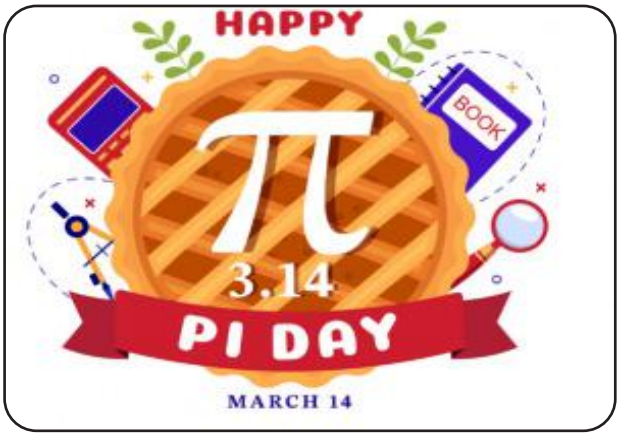
This day is celebrated globally on **3rd March** and is closely aligned with Sustainable Development Goal 12 that is Life without water, which focuses on marine species and highlights the problems, critical issues of marine wildlife to our everyday life. The theme of **World Wildlife Day** 2024 is "Recovering key species for ecosystem restoration".

March 4 - National Safety Day is celebrated in India on **4th March** by the National Safety Council of India. This day is celebrated to make people get safe from several issues like financial loss, health problems, and also any other problems that people are facing in their life.

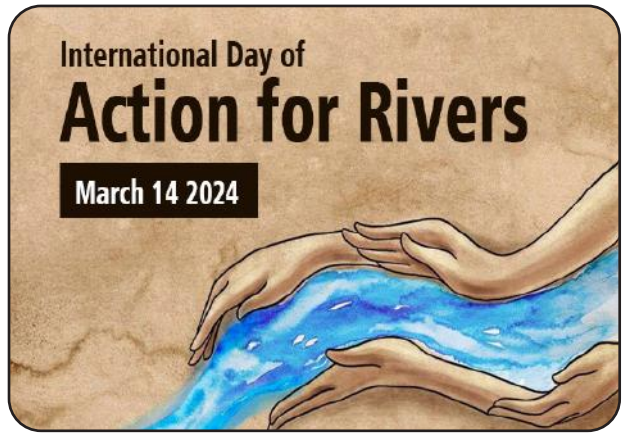
March 8 - International Women's Day is observed globally to celebrate the social, economic, cultural, and political achievements of women. Also, it is an action for accelerating gender parity. Purple is the colour that symbolizes women internationally. The combination of the purple, green and white colour is to symbolize the equality of women which is originated from the Women's Social and Political Union in the UK in 1908.

The **Central Industrial Security Force (CISF) Raising Day** is observed every year on **10th March.** The CISF was set up in 1969 under the act of the Parliament of India. This organization works for seaways, airways, and some of the major installations in India.

March 13 - No Smoking Day (Second Wednesday of March)
No Smoking Day is observed every year on the second Wednesday of March to raise awareness about the harmful health effects of tobacco via smoking and to encourage people all over the world to quit smoking.

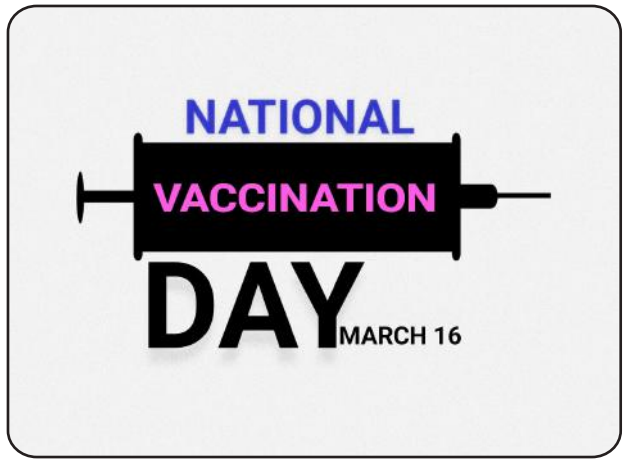


March 14 – Pi Day is celebrated around the world. Pi is a symbol used in mathematics to represent a constant. It is the ratio of the circumference of a circle to its diameter which is approx. 3.14.

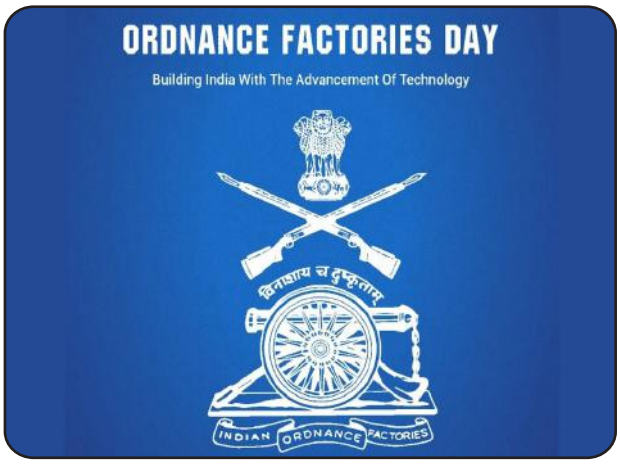


March 14 - International Day of Action for Rivers is observed to raise voices to protect rivers and demand for improving the policies for Rivers. It is a day to educate one another about the threats facing our rivers and to find solutions.

March 15 - World Consumer Rights Day is observed on **15 March** every year for raising global awareness about consumer rights and needs. This day is a chance to demand that the rights of all consumers are respected and protected and to protest against social injustices.



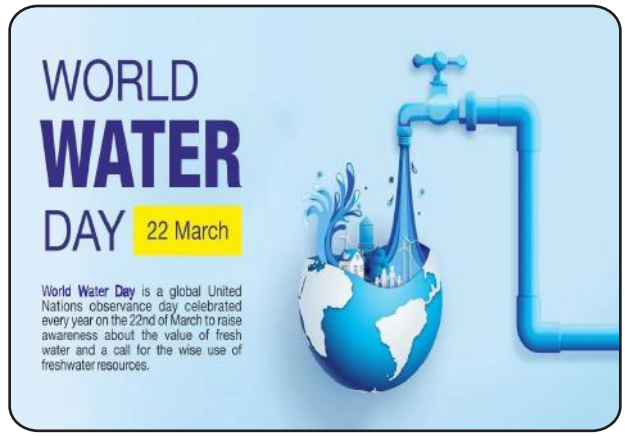
March 16 - National Vaccination Day is observed in India which is also known as National Immunisation Day (IMD). It was first observed on **16th March** 1995 when the first dose of the Oral Polio Vaccine was given.



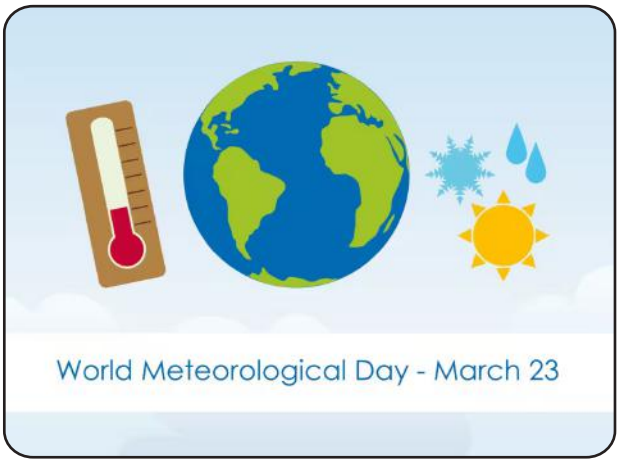
March 18 - Ordnance Factories Day (India) is observed every year all over India. On this occasion, the Ordnance Factory, Field Gun Factory, Small Arms Factory, Ordnance Parachute Factory, and Ordnance Equipment Factory acknowledge the day.

March 20: World Oral Health Day is celebrated on **20th March** to raise awareness about oral health. The theme of **World Oral Health day** 2024 is "Be Proud Of Your Mouth". In other words, value and take care of it.

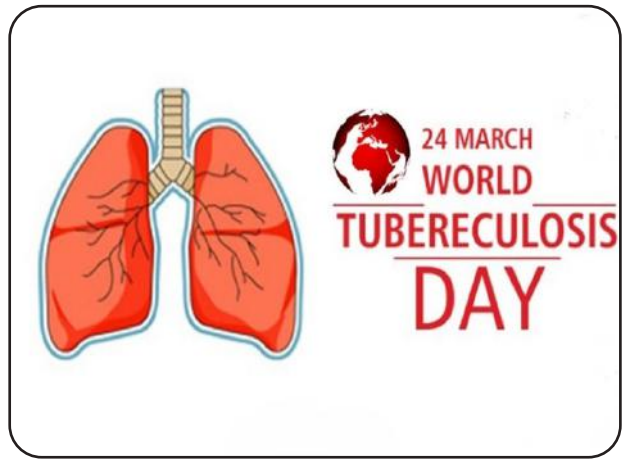
March 21 - World Forestry Day is celebrated to raise public awareness about the values, significance, and contributions of the forests to balance the life cycle on the earth. In 1971, World Forestry Day was established at the 23rd General Assembly of the European Confederation of Agriculture.



March 22 – World Water Day is observed annually to raise awareness about the importance of freshwater and advocate for the sustainable management of freshwater resources. It was recommended to celebrate in 1992 at the United Nations Conference on Environment and Development (UNCED) in Rio de Janerio. And then, in 1993 the first World Water Day is celebrated.



March 23rd - World Meteorological Day is celebrated to attract attention towards weather and climate for the safety and well-being of the society. On 23rd March 1950, the World Meteorological Organisation came into force.



March 24 - World Tuberculosis (TB) Day is celebrated to commemorate the date when Dr. Robert Koch announced his discovery of Mycobacterium tuberculosis, the bacillus that causes TB in 1882. This Day is observed to educate people about TB, its impact around the world.

March 25th - International Day of the Unborn Child is observed on **25th March.** It is an annual commemoration of unborn fetuses and is observed as a day of opposition to abortion.

March 26 - Purple Day of Epilepsy is observed to spread awareness about epilepsy and its impact on people's lives. The day also reminds people suffering from epilepsy that they are not alone.

APSCHE

Andhra Pradesh State Council of Higher Education

From the Chairman's Desk

The Art of Communication

Paul J. Meyer said, "Communication – the human connection is the key to personal and career success." Communication is the most important skill one requires to lead a successful life. The art of communication is the ability to listen and deliver information in an accurate way. The art of communication is as old as humankind itself. In fact, it is older than any written or spoken word. Human beings learnt to communicate much before they could learn to speak, read or write. Human beings learnt to express themselves through sounds, gestures and actions. If we observe closely, we can notice that even today, we continue to use these methods to communicate. The art of communication has evolved over the years. Thanks to the power of internet, we are living in an era of digital communication today.

The English word 'communication' is derived from the Latin communis, which means common sense. The word communication means sharing the same ideas. In other words, the transmission and interaction of facts, ideas, opinions, feelings or attitudes. Typically, communication can be classified into two main types. Verbal communication that includes the use of sounds and language in to convey the intended message. Non-Verbal communication that includes everything else other than words like the posture, appearance, body language and eye movements of the speaker which helps in conveying the message. Both types of communication are equally important since they complement each other to eliminate confusion and ensure that the message conveyed is clearly understood by the recipient.

Brian Tracy said, "Communication is a skill that you can learn. It's like riding a bicycle or typing. If you're willing to work at it, you can rapidly improve the quality of every part of your life." I feel very dejected whenever I read the statement, "NASSCOM says only 10-15% are employable among the students. Others aren't employable because they don't have the required communication skills". Students must acquire English communication skills not only for success in professional life but also in their personal life. Every aspect of your task depends on communication, and how well you can communicate directly correlates with how well you can complete your task. Learning English communication skills is not that difficult. Students can easily speak in English provided they practice speaking it for at least 6 months continuously. To improve your communication skills, you have to be a great listener. Be a curious listener not to reply but to understand. Improve your body language and eye contact while communicating. Mind your tone while communicating. Make sure that you maintain the specific tone and temper according to the situation. Try to read at least 10 pages everyday and write down the summary. This helps you to learn new vocabulary and phrases that you can use in your everyday life. Last but not the least is, speak as much as possible and get the feedback from your peers. Try practising before a mirror to check your verbal and non-verbal communication. Practising this over a period of time improves your communication skills and makes you a master in the art of communication.

Prof. K. Hemachandra Reddy
Chairman, APSCHE

LENS TECH

05.03.2024 - Felicitation of Vice Chancellor by Principals of Pharmacy Colleges

14.03.2024 - Vice Chancellor addressing Press meet in connection with AP ECET 2024

28.03.2024 - Meeting with the Principals of all constituent and Autonomous colleges was held under the chairmanship of Vice Chancellor on 28.03.2024. The Rector, Registrar, Director of Academic and Planning, UG BoS Chairpersons, Principals attended the meeting.

Tech Ananth

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