

TECH ANANTH

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Volume 2 Issue XI

P11 JNTUA NEWS

**Mahatma Gandhi and
Lal Bahadur Shastri Jayanti
celebrations @ JNTUA.**

JNTUA CEA NEWS P22

**Six Day AICTE ATAL FDP on
NEP - 2020 @ JNTUA CEA.**

P18 JNTUA NEWS

**JNTUA Celebrates Birth
Anniversary of
Dr. A.P.J. Abdul Kalam
@ JNTUA.**

JNTUA NEWS P23

**RASHTRIYA EKTA DIWAS
@ JNTUA.**

JNTUA GETS PRESTIGIOUS ISO CERTIFICATIONS

COVER STORY P13



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1	Bridging the Gap Uniting Research and Teaching	4
2	Jagadish Chandra Bose : A Great Indian Scientist	7
3	'Ek Thareek Ek Ganta Ek Saath' under NSS @ JNTUA CEA. - <i>News from JNTUA CEA</i>	11
4	Prof. E. Keshava Reddy & Prof. R. Bhavani of JNT University Anantapur Awarded Patents - <i>Patent News</i>	12
5	JNTUA gets Prestigious ISO Certifications. - <i>News from JNTUA.</i>	13
6	Road Safety Awareness 2K Run @ JNTUA CEA - A Report By NSS Unit III. - <i>News from JNTUA CEA.</i>	14
7	Seminar @ JNTUA CEA How to Study and write for Civil Services by Planjery Foundation Hyderabad. - <i>Alumni News from JNTUA CEA.</i>	15
8	Meri Maati Mera Desh Amrita Kalasha Yatra @ JNTUA School of Management - <i>A Report from JNTUA.</i>	15
9	One Day Workshop on E-Waste Management @ JNTUA CEA - <i>News from JNTUA CEA.</i>	17
10	World Food Day Celebrated @ OTPRI. - <i>News from JNTUA OTPRI.</i>	17
11	JNTUA Celebrates Birth Anniversary of Dr. A.P.J. Abdul Kalam - <i>News from JNTUA.</i>	18
12	Mr Srivatsan Varadhan (1979-83 Alumnus) Delivers Talk "Expectations of Industry Managers from Entry Level Engineers" @ JNTUA CEA - <i>Alumni News from JNTUA CEA.</i>	19
13	One Day Workshop Awareness Program on Pink October @ JNTUA CEA. - <i>News from JNTUA CEA.</i>	19
14	University Level Selections for West Zone NSS Pre-Republic Day Parade Camp. - <i>News from JNTUA CEA.</i>	20
15	Khadi Mahostav Celebrations @ JNTUA CEA. - <i>A Report from JNTUA CEA.</i>	21
16	Navaratri Celebrations - Ayudha Puja @ JNTUA CEA. - <i>News from JNTUA CEA.</i>	22
17	Six Day AICTE ATAL FDP ON NEP - 2020 @ JNTUA CEA - <i>News from JNTUA CEA.</i>	22
18	Rashtriya Ekta Diwas @ JNTUA CEA - A Report By NSS Unit III. - <i>News from JNTUA CEA.</i>	23
19	News from Colleges	25
20	News from University	26
21	News from Constituent Units	27
22	University Examination Branch News	29
23	Books /Book Chapters Published / Patents Published / Awarded	30
24	Important National and International Days in October	32
25	"BE HUMBLE " - <i>Message from the Chairman APSCHE</i>	35
26	Lens Tech	36

Bridging the Gap Uniting Research and Teaching

*- Elevate
Education
with the power
of Research*

- Dr.E Keshava Reddy

Higher education institutions around the world face the ever-evolving challenge of preparing students for an increasingly complex and competitive global landscape. To meet this challenge, many educators are exploring innovative ways to combine research and teaching. This synergistic approach not only benefits students but also enhances the overall academic environment.

Determine your priorities and goals



Setting priorities and goals for each activity is the first step in integrating research and teaching. What are the primary research questions, themes, and methodologies? What are the competences, skills, and learning outcomes of your instruction? How do they match or enhance one another? How do they relate to the assessment and advancement of your career? You can manage your time, money, and activities effectively and prevent conflicts or overlaps by being clear about your priorities and goals.



Fostering Critical Thinking

Research and teaching are two sides of the same coin. Engaging students in the research process helps them develop critical thinking skills. It encourages them to question, analyze, and evaluate information, enabling them to become active, informed participants in their education. When research is integrated into the curriculum, it promotes deep learning, allowing students to connect theory with real-world applications.



Encouraging Lifelong Learning

Incorporating research into teaching nurtures a culture of lifelong learning. It imparts to students the idea that education is a dynamic process that extends beyond the classroom. Research projects and opportunities to publish findings encourage students to continue their educational journey even after they graduate. This mindset is invaluable in an era where knowledge rapidly evolves.

Personalised Learning

One of the greatest advantages of combining research and teaching is the ability to personalize the learning experience. Research projects can be tailored to students' interests and career goals, allowing them to delve deep into subjects that resonate with them. This personalization leads to greater engagement and motivation.



Nurturing Innovation

Research stimulates innovation, and when students actively participate in research activities, they become exposed to the spirit of innovation. They learn to seek creative solutions to complex problems, a skill that is highly valued in a knowledge-driven economy. The university environment is the perfect place to foster this mindset.

Enhancing Faculty Expertise

For faculty members, the integration of research and teaching offers a chance to continually enhance their expertise. Engaging in research keeps educators up-to-date with the latest advance

ments in their field. In turn, they can bring this fresh knowledge into the classroom, providing students with a rich and current educational experience.

Collaboration Opportunities, involving students in research

Research often thrives in collaborative environments. When teaching and research intersect, it creates opportunities for students to work with faculty, fellow students, and even industry experts on research projects. This collaboration not only enriches the educational experience but also expands students' networks, paving the way for future career opportunities.



Involving your students in your research or encouraging them to do their own study is another option to integrate research and teaching. For instance, you can ask your students to work as assistants, collaborators, or partners in your research projects, teams, or networks. As part of their coursework, capstone, or thesis, your students can also work with you as a mentor to construct their own research proposals, projects, or papers. In this manner, you may gain from your students' opinions, insights, and ideas while also giving them useful research experience, feedback, and possibilities.

Real-World Relevance

Students often wonder how their classroom learning relates to the real world. The integration of research helps bridge this gap. Students can witness



the practical applications of what they learn in a tangible way through their research endeavors. This connection to the real world not only increases understanding but also motivation.

Building a Research Community

Combining research and teaching creates a sense of community within the university. Students, faculty, and staff can all contribute to a shared culture of inquiry. This atmosphere fosters a sense of belonging, where everyone has a role in the advancement of knowledge.

Measuring Impact

The impact of research in higher education is quantifiable. By encouraging research, institutions can measure their impact on fields of study, industries, and society as a whole. Demonstrating the real-world consequences of research can be a powerful motivator for both students and faculty.



Preparing Students for the Future

In an ever-changing world, the ability to adapt and thrive in diverse environments is crucial. A combination of research and teaching equips students with the skills needed for success in the 21st century. It instills in them a curiosity-driven approach to problem-solving and a strong foundation for continuous learning.

Think Back and assess

To integrate research and teaching, consider following the strategy assessing your progress and results.

For instance, you can get input on how your research and teaching are connected, integrated, or balanced from your peers, colleagues, or students. You can also record and examine your successes, difficulties, and opportunities for growth using notebooks, portfolios, and self-evaluation. You can celebrate your accomplishments and effects while keeping an eye on and modifying your goals, strategies, or actions.

CONCLUSION

In conclusion, the combination of research and teaching in higher education is a win-win proposition. It benefits students by fostering critical thinking, personalized learning, and lifelong education, while also enriching the academic community as a whole. By embracing this approach, higher

education institutions can better prepare students for a rapidly evolving world and contribute to the advancement of knowledge. In this age of information and innovation, the symbiotic relationship between research and teaching is an investment in a brighter future.

About the Author



Prof. 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.

CONTRIBUTION OF ARTICLES TO THE E-MAGAZINE

TECH ANANTH

The members of the JNTUA fraternity all students, faculty 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.

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Jagadish Chandra Bose : A Great Indian Scientist

- Prof.P.R.Bhanu Murthy

Early Life and Education

Jagadish Chandra Bose was born into a Bengali Kayastha family. His father, Bhagawan Chandra Bose, was a civil servant, and his mother, Amodini Devi, was a deeply religious and compassionate woman. Young Jagadish showed an early interest in nature, spending much of his childhood exploring the flora and fauna surrounding his family home. Bose's early education began in local vernacular schools, where he displayed exceptional academic abilities. His father recognized his son's potential and sent him to the renowned St. Xavier's School in Kolkata. There, Bose excelled in both academics and extracurricular activities, displaying a keen interest in physics. In 1875, Bose moved to England to further his education. He enrolled at Christ's College, Cambridge, where he studied natural sciences. His time in Cambridge exposed him to the cutting-edge scientific developments of the time, and he earned a Tripos in Physics in 1879. Despite facing racial prejudice, Bose's academic brilliance was evident.

Academic and Scientific Career in India

Returning to India in 1885, Bose began his career as a professor at Presidency College, Kolkata. He faced challenges in securing appropriate laboratory facilities due to racial discrimination, but this did not deter his determination to conduct scientific research. His passion for Scientific research extended over different fields as detailed below:

1. Plant Physiology

One of Jagadish Chandra

Bose's earliest and most significant contributions was in the field of plant physiology. In the late 19th century, Bose conducted pioneering experiments that revealed the dynamic nature of plant tissues. Unlike conventional scientific thinking of the time, Bose demonstrated that plants exhibited sensitivity to external stimuli, responding to factors such as light, heat, and mechanical stimulation. Bose's invention of the crescograph, a device capable of magnifying and recording the minute responses of plant tissues, allowed him to meticulously study

Jagadish Chandra Bose was a polymath, physicist, biologist, biophysicist, botanist, and archaeologist who made significant contributions to various scientific fields during the late 19th and early 20th centuries. Born on November 30, 1858, in Mymensingh, British India (now in Bangladesh), Bose's life story is a fascinating journey of scientific curiosity, innovation, and a relentless pursuit of knowledge.

the growth and movements of plants. Through these experiments, he provided empirical evidence for the existence of a plant's nervous system, challenging prevailing scientific paradigms and establishing the foundation for modern plant biology. His work in plant physiology not only expanded our understanding of plant life but also paved the way for future research in areas such as environmental science, agriculture, and horticulture. Bose's findings continue to influence plant biology, with contemporary scientists building upon his insights into the intricate processes governing plant behaviour.

2. Biophysics: Building on his work in plant physiology, Bose made significant contributions to the emerging field of biophysics. His research delved into the fundamental processes underlying life, exploring the connection between living organisms and inorganic matter. Bose's investigations extended to the study of muscle response and the similarities between living and non-living materials. His work in biophysics laid the groundwork for the modern

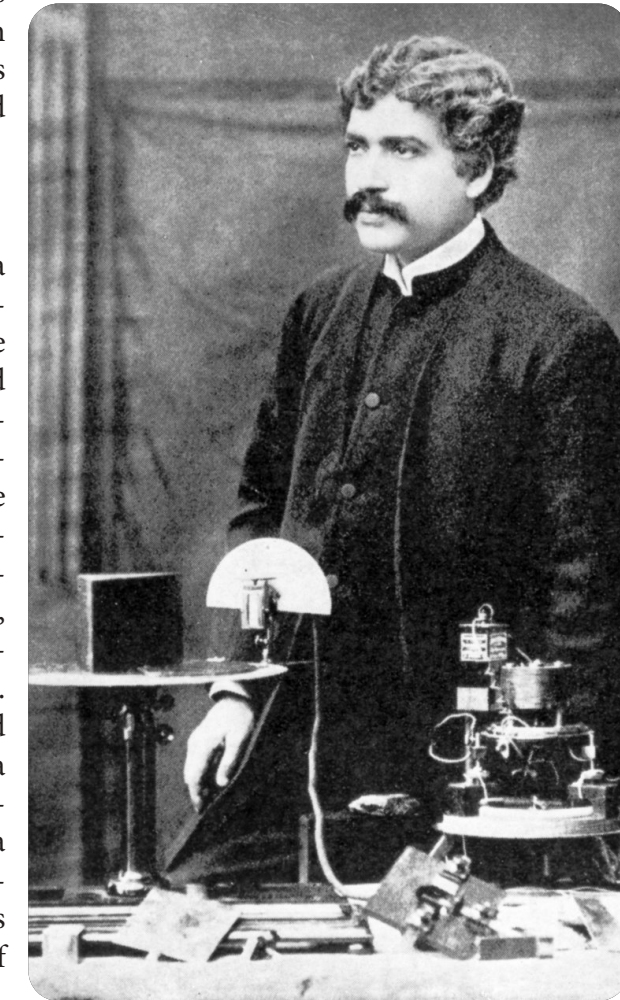
understanding of how living organisms interact with their environment. Bose's exploration of the physical principles governing life processes contributed to the development of the field, influencing subsequent generations of biophysicists and laying the foundation for advancements in areas such as medical science and bioengineering.

3. Wireless Communication:

Jagdish Chandra Bose's experiments in wireless communication were ahead of his time and played a crucial role in the development of modern telecommunications. In the late 19th and early 20th centuries, wireless communication was a burgeoning field, with inventors like Guglielmo Marconi making strides. In 1895, Bose conducted an experiment in Kolkata where he successfully transmitted radio waves over a short distance. This demonstration, often regarded as the first public display of wireless communication, predated Marconi's similar experiments. Bose's contributions to wireless communication were foundational, and his inventions laid the groundwork for the subsequent development of radio technology. While Bose's role in the history of wireless communication is sometimes overlooked, his patents and demonstrations were instrumental in establishing the principles of electromagnetic wave transmission. Today, his work is recognized as a crucial chapter in the evolution of wireless communication technologies.

4. Instrumentation:

Bose's contributions extended beyond theoretical research to practical innovations in instrumentation. His inventions, including the crescograph for studying plant growth and the coherer for detect-



Jagdish Chandra Bose
in Royal Institution, London, 1897



Bose's Invention,
Crescograph

ing radio waves, showcased his aptitude for creating instruments that pushed the boundaries of scientific inquiry. The crescograph, in particular, was an innovative device that allowed Bose to magnify and re-

cord the delicate movements of plant tissues. This instrument played a crucial role in his experiments on plant physiology, providing unprecedented insights into the world of plants. Bose's proficiency in developing specialized instruments demonstrated his commitment to advancing scientific methodologies.

The central hall of the Royal Society in London was jam-packed with famous scientists on May 10, 1901. Everyone seemed to be curious to know how Bose's experiment will demonstrate that plants have feelings like other living beings and humans. Bose chose a plant whose roots were cautiously dipped up to its stem in a vessel holding the bromide solution, which is considered a poison. He plugged in the instrument with the plant and viewed the lighted spot on a screen showing the

movements of the plant, as its pulse beat, and the spot began to and fro movement similar to a pendulum. Within minutes, the spot vibrated in a violent manner and finally came to an abrupt stop. The whole thing was almost like a poisoned rat fighting against death. The plant had died due to the exposure to the poisonous bromide solution.

5. Educational Philosophy:

The event was greeted with much appreciation and applause; however some physiologists were not content, and considered Bose as an intruder. They harshly knocked the experiment but Bose did not give up and was confident about his findings. Using the crescograph, he further researched the response of the plants to fertilizers, light rays and wireless waves. The instrument received widespread acclaim, particularly from the Path Congress of Science in 1900. Many physiologists also supported his

findings later on, using more advanced instrument

Accolades and Recognition: As an educator, Jagadish Chandra Bose played a pivotal role in shaping the scientific landscape of India. His dedication to education extended beyond traditional classroom settings, emphasizing hands-on learning and practical experimentation. Bose believed in nurturing a scientific temperament from a young age, encouraging students to engage directly with scientific phenomena. Bose's educational philosophy emphasized the importance of curiosity, critical thinking, and experimentation. His commitment to fostering scientific education manifested in his role as a professor at Presidency College, Kolkata, and the establishment of the Bose Institute in 1917. The institute became a centre for interdisciplinary research, reflecting Bose's vision of integrating education and scientific inquiry.

Personal Traits and Values:

In 1901, Jagadish Chandra Bose was appointed as a Companion of the Order of the Indian Empire (CIE), a recognition of his exceptional contributions to science. He continued to receive accolades, including being elected Fellow of the Royal Society in 1920, the first Indian to receive this honour. Bose's research extended beyond physics and wireless communication. His interest in the natural world led him to conduct studies on the response of plants to various environmental stimuli. His seminal work "Responses in the Living and Non-Living" explored the similarities between plant and animal tissues, challenging prevailing scientific paradigms.

Scientific Curiosity and Intellectual Rigor:

Jagadish Chandra Bose, beyond his pioneering contributions to science, was a man of remarkable personal traits and values that shaped both his professional and private life. His character was marked by a unique blend of scientific curiosity, resilience, humility, and a deep sense of compassion. In exploring Jagadish Chandra Bose's personal traits and values, we gain insight into the mind of a scientist whose impact extended beyond the laboratory, leaving a lasting legacy.

One of Bose's defining personal traits was his insatiable scientific curiosity. From a young age, he exhibited a keen interest in the natural world, spending countless hours observing and experimenting with plants in his family home. This curiosity fuelled his academic pursuits, leading him to pursue higher education in England and immerse himself in the latest scientific developments of the time. Bose's intellectual rigor was evident in his meticulous ap-

proach to research. Whether exploring the sensitivity of plants or conducting pioneering experiments in wireless communication, he exhibited a commitment to thorough investigation and systematic inquiry. His contributions to plant physiology, biophysics, and wireless communication were marked by a relentless pursuit of knowledge and a passion for uncovering the mysteries of the natural world.

Resilience in the Face of Adversity:

Throughout his life, Bose faced numerous challenges, particularly in the context of racial discrimination during his education in England. Despite encountering prejudice and obstacles, he demonstrated remarkable resilience. Instead of succumbing to adversity, Bose used these challenges as opportunities to prove his capabilities. Upon returning to India, Bose faced additional hurdles in securing adequate laboratory facilities. However, his resilience and determination prevailed, leading to the invention of the crescograph and pioneering work in plant physiology. Bose's ability to overcome adversity, coupled with his unwavering commitment to scientific pursuits, exemplifies a resilient spirit that defined his personal and professional journey.

Humility and Collaborative Spirit:

Despite his numerous achievements, Bose remained a humble and approachable individual. He was known for his modesty, rarely seeking personal acclaim or recognition. His collaborative spirit was evident in his interactions with colleagues and students. Bose actively encouraged collaboration and the sharing of knowledge, fostering a supportive environment for scientific inquiry. This humility extended to his views on intellectual property. Unlike some of his contemporaries, Bose was not driven by the desire for personal gain or fame. His commitment to the greater good of humanity was reflected in his decision to openly share his research findings. His ethos of collaboration and humility left a lasting impact on the scientific community and contributed to the collective advancement of knowledge.

Dedication to Education:

Education held a special place in Bose's heart. His commitment to fostering scientific education in India was evident in his role as a professor at Presidency College, Kolkata, and his establishment of the Bose Institute in 1917. He believed in the transformative power of education and its ability to shape minds and inspire future generations of scientists. Bose's dedication to education extended beyond traditional classroom settings. He emphasized hands-

on learning and practical experimentation, providing students with opportunities to engage directly with scientific phenomena. His educational philosophy emphasized the importance of nurturing curiosity and critical thinking skills, laying the foundation for a scientific temperament in India.

Compassion and Social Responsibility:

Beyond the laboratory, Bose exhibited a deep sense of compassion and social responsibility. His values were rooted in a desire to use science for the betterment of society. This humanitarian outlook was reflected in his work on the practical applications of science, particularly in areas such as agriculture and telecommunications. Bose's commitment to societal well-being was further demonstrated through his establishment of the Bose Institute. The institute was envisioned as a centre for interdisciplinary research, with a mission to address pressing societal issues through scientific inquiry. His belief in the ethical responsibility of scientists to contribute to the welfare of humanity showcased a profound sense of social responsibility.

Personal Relationships and Support System

In his personal life, Bose maintained strong relationships with his family, colleagues, and students. His familial bonds were characterized by love and respect, with his mother Amodini Devi playing a significant role in shaping his values. Bose's relationships with colleagues were marked by camaraderie and a collaborative spirit, fostering a positive work environment. Bose's ability to build and maintain meaningful connections contributed to a robust support system. In times of challenges or triumphs, he had a network of individuals who shared his passion for science and supported his endeavours. This

network played a crucial role in Bose's ability to navigate the complexities of both scientific and personal spheres.

Legacy and Later Years

Jagadish Chandra Bose's legacy extends far beyond his scientific achievements. He was a strong advocate for the use of science and technology for the benefit of society. His commitment to education and scientific research led to the establishment of the Bose Institute in Kolkata in 1917, which continues to be a centre for interdisciplinary research. In his later years, Bose shifted his focus to biophysics, exploring the connection between living organisms and inorganic matter. His research laid the groundwork for modern biophysics and our understanding of the fundamental processes of life. Jagadish Chandra Bose passed away on November 23, 1937, leaving behind a rich legacy of scientific inquiry and social advocacy. His contributions to physics, biology, and wireless communication have had a lasting impact, and he is remembered as one of India's most influential scientists.

Conclusion

Jagadish Chandra Bose's contributions to science encompass a wide array of disciplines, from plant physiology to biophysics and wireless communication. His ground breaking experiments, innovative inventions, and commitment to education have left an indelible mark on the scientific community. Bose's legacy serves as an inspiration for scientists, educators, and innovators alike, highlighting the transformative power of scientific inquiry and the pursuit of knowledge for the betterment of humanity.

About the Author



Dr. P.R. BHANU MURTHY is a Professor of Civil Engineering, at JNTUA CEA, Anantapuramu. He is a recognized Expert in the field of Traffic and Transportation Engineering in Andhra Pradesh. He delivered more than 75 invited talks on topics related to Traffic and Transportation in various Institutions and Organizations like NITW, NIT Calicut, Engineering Staff College of India (ECSI), Hyderabad, National Police Academy (NPA), Hyderabad, National Academy of Construction (NAC), Hyderabad and Central Institute of Road Transport (CIRT), Pune.



'Ek Thareek Ek Ganta Ek Saath' 'Swachhata Hi Seva' campaign by National Seva Scheme @ JNT University Ananthapuramu.

Date: 01-10-2023

JNTU University Anantapur and College of Engineering Ananthapuramu conducted various programs from 15th September to 2nd of October as part of the 'Swachhata Hi Seva' campaign under National Seva Scheme. As part of this 'Ek Thareek Ek Ganta' program was undertaken on 01.10.2023. Registrar Prof. C. Sashidhar was the chief guest for this program. On this occasion, the Registrar said that the cleanliness of the surroundings is the responsibility of all of us. He said that if the environment is kept clean, we will all be healthy. He said that it is the responsibility of all of us to make people aware of clean India. He said that every student should participate in service programs from an early stage. College Vice Principal Prof. E. Arunakanthi participating in this program said that students should not only study but also take the lead in service activities. She said that the responsibility of cleaning our surroundings is on all of us. On this occasion, the Registrar and the Vice-Principal administered the pledge of "Swachhata Hi Seva" to the students. After that the University staff, MBA students and MBA staff cleaned the surroundings of the department. Registrar Prof. C.

Sashidhar and Vice Principal Prof. E. Arunakanthi honoured the University sanitation staff. NSS Program Officers Dr. D. Vishnuvardhan, Dr. G. Mamatha, Head of MBA Department Dr. T. Narayana Reddy, University NSS Coordinator Dr. S. Sharada, Prof. A.P. Siva Kumar, Prof. K. Madhavi, HODs of various departments Prof. Y. Chandra Mohan Reddy, Prof. R. Bhuvana Vijaya, Dr. M. Ramasekhara Reddy, Dr. K. F. Bharathi, Prof. B. Dilip Kumar, teaching and non-teaching staff and students participated in the program.



Mahatma Gandhi and Lal Bahadur Shastri Jayanti celebrations @ JNT University Ananthapuramu.

Date: 02-09-2023

Mahatma Gandhi and Lal Bahadur Shastri Jayanti celebrations were held in the administration building of the JNT University Anantapur on 02.10.2023 (Monday). Floral tributes were paid to Gandhiji and Lal Bahadur Shastriji portraits by the University Registrar Prof. C. Sashidhar along with senior officials and staff members. On this occasion, the Registrar said Gandhiji was a great man who fought non-violently against the British colonial rulers and led the people of the country to achieve independence and led non-violent movements to preserve civil rights. He said that there is a need to convey the aspirations of Gandhiji and Lal Bahadur Shastri to this generation. Gandhiji's Satyagraha movement is one of the most important events in the history of India's freedom movement and everyone should follow Gandhiji's footsteps and imbibe his unique personality, punctuality and moral commitment. Lal Bahadur Shastri, the second Prime Minister of India, was a prominent figure in the Indian independence movement and a

senior leader in the Indian National Congress. Shastri became an active and mature member of the Congress in 1928. At the call of Gandhiji he participated in the Salt Satyagraha in 1930. Varanasi International Airport was named after him". In this program, University Directors Prof. G.V. Subba Reddy, Prof. B. Durga Prasad, Prof. A. Suresh Babu, Prof. B. Chandra Mohan Reddy, College Vice Principal Prof. E. Arunakanthi, Prof. S. Chandra Mohan Reddy, Prof. D. Vishnuvardhan, Prof. V. Sankar, Dr. J. Srinivasulu, Mr. A. Manish, teaching and non-teaching staff and out sourcing staff participated.



Prof. E. Keshava Reddy of JNT University Anantapur Awarded German Patent for inventing an Artificial Intelligence and Machine Learning Based Automation System that can Assist Physically Challenged People

Date: 03-10-2023

Prof. E. Keshava Reddy Faculty of Mathematics, JNTUA College of Engineering, Ananthapuramu has been awarded a German Patent No. 20 2023 1056 189 on 19.09.2023 for **'An artificial intelligence and machine learning based automation system for bio-statistical profit making decisions'**. Led by Prof. E. Keshava Reddy, Mr. Babu, Mr. Suresh, Dr. Saila Kumari, and Mr. D Madhusudana have filed for patent. The invention relates to an artificial intelligence and machine learning based automation system. The product uses an opinion sensor that tracks the attention proportion of the tolerant to identify his/her affecting status. To show the screen with different decisions for the patient to choose from is connected using connect time with the sensor. The serene can easily be in touch with the attendant or request service through his eye blinks. The prototype is built with two functionalities of food and panic alert alone. The same can also be extended with a few more functionalities of providing connectivity to entertainment and the internet also by including simple options on the application screen. As the brainwaves are continuously monitored, any note of panic

or abnormal signal recognition can also be sent as an announcement to the porter.

Speaking on the occasion Prof. E.Keshava Reddy said tht this invention has tremendous scope to assist physically challeged people who are unable to communicate even for their basic needs. Vice Chancellor Prof. G. Ranga Janardhana, Rector Prof. M. Vijaya Kumar, Registrar Prof. C.Sashidhar, Directors of the University, Teaching staff congratulated Prof. E.Keshava Reddy and his team for their achievement.



Prof. R. Bhavani of JNT University Anantapur Awarded Patent for inventing a system for generating power using minimal input power and pressurised water.

Date: 05-10-2023

Prof. R. Bhavani Department of Civil Engineering JNTUA CE Pulivendula has been granted Patent for inventing **"System and Method for Generating High Power by Utilization of Minimal Input Power and Pressurized water"**. Prof. R. Bhavani speaking on the occasion said that the patent was filed in the year 2016 and was granted in the month of September this year. Prof. Bhavani said that the water from a small well is pumped by a motor to a height of 10 m. The water from this height is sent through a small nozzle into turbine coupled with generator. The turbine is designed such that it can rotate at high speeds for low pressures. If one house is installed with this system, electricity can be generated to power ten houses. This patent has been granted to Prof. R. Bhavani and Mr. V. Ramesh. Vice Tech ANANTH Volume 2, Issue X1, Pages 37

Chancellor Prof. G. Ranga Janardhana felicitated Prof. R. Bhavani for her achievement. Rector Prof. M. Vijaya Kumar, Registrar Prof. C. Sashidhar, Directors Prof. V. Sumalatha , Prof. G.V. Subba Reddy and Prof. R. Padma Suvarna participated in the felicitation of the awardee.



JNTUA & Constituent Units get Prestigious ISO Certifications

Date: 04-10-2023



Jawaharlal Nehru Technological University Anantapur, Ananthapuramu achieved a significant milestone in pursuit of academic excellence on a holistic level by receiving prestigious ISO certifications underscoring its emphasis on delivering cutting edge technical education and fostering a sustainable eco-friendly campus environment. Prof. G. Ranga Janardhana, Vice Chancellor of JNT University Anantapur, Ananthapuramu expressed his delight on achieving these certifications and said, “These ISO certifications will serve as guiding lights as we continue to strive for excellence in technical education, energy management and environmental sustainability. They reinforce our commitment to create a positive impact on society & environment as well. We believe that these milestones are not only a testament to our past efforts but also a catalyst for continuous improvement in future too. JNT University Anantapur continues to work towards sustainable development and providing an exceptional educational experience to its students. These certificates further cement JNTUA’s position as a leading institution in the field of holistic technical education”. Sri Alapati Sivaiah, Chairman, HYM International Certifications, Hyderabad handed over the certificates to the University authorities. Prof. M. Vijaya Kumar, Rector of the University, Prof. C. Sashidhar, Registrar, Prof. G.V. Subba Reddy, Director IQAC, Prof. S.V. Satyanarayana, Principal, JNTUA College of Engineering Anantapur and all the Directors of the University, Sri N. Madhusudhana Reddy, Deputy Registrar, JNTUA, Sri Murali Mohana Rao, Asst Registrar and others participated in the award ceremony on 5-10-2023.

The internationally recognised ISO certifications awarded on 5-10-2023 to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu include:

ISO 21001 : 2018 awarded to **Jawaharlal Nehru Technological University Anantapur** for Educational Quality Management System in recognition to JNTUA’s commitment to maintain a high quality in its technical education programs, ensuring that the students receive world class teaching and resources for their academic growth and career development.

ISO 50001 : 2018 awarded to **Jawaharlal Nehru Technological University Anantapur** for Energy Management System highlighting the effective energy management practices being espoused in the University thereby reducing energy consumption and promote sustainability across the campus.

ISO 27001 : 2013 awarded to **Jawaharlal Nehru Technological University Anantapur** for Information Security Management System which underscores unwavering commitment to safeguard sensitive information, ensuing data integrity and upholding highest standards of cyber security.

ISO 14001 : 2015 received by **Jawaharlal Nehru Technological University Anantapur** for Environmental Management System for pursuing a clear and comprehensive environmental policy that outlines its commitment to sustainability and environmental protection, rigorous waste management practices to minimise waste generation and promote up-cycling and responsible disposal. The staff & students are being constantly inculcated habit of planting trees to reduce the carbon footprint in the campus.

ISO 21001 : 2018 received by **JNTUA College of Engineering Anantapur** for Educational Quality Management System for providing high quality education, constant & continuous improvement and student centric teaching learning practices and for demonstrating its dedication in enhancing the quality of education across all disciplines.

ISO 21001 : 2018 awarded to **JNTUA Oil Technological & Pharmaceutical Research Institute Anantapur** for Educational Quality Management System in recognition for its endeavour fostering enhanced learning outcomes with rigorous assessment and improvement of teaching methodology.

ISO 21001 : 2018 awarded to **JNTUA School of Management Studies** for Educational Quality Management System for providing the students with enriching learning experience that equips them with the skills and knowledge needed for their future and prioritising the best interests of the students.

Road Safety Awareness 2K Run

@ JNTUA College of Engineering Ananthapuramu.

National Service Scheme (NSS) Unit III of JNTUA CE Ananthapuramu

06th October 2023

- A report by Dr. G. Mamatha, NSS Program Officer.



Available statistics about road safety in India indicates that more than a lakh people die in road accidents every year. There is an increasing trend of unsafe driving that leads to vehicle accidents in which many people die, undergo serious injuries or lose their body parts permanently. Many of these accidents occur due to poor driving skills, non-adherence to road safety precautions, lack of awareness and violation of traffic rules.

To create awareness and promote road safety 2K Run was conducted by Department of Transportation, Ananthapuramu and JNTUA College of Engineering Ananthapur from Telugu Thalli Statue, Near Saptagiri Circle to Clock Tower Ananthapur town. This 2K Run was started by Superintendent of Police, Sri K.K.N. Anburajan by waving the flag.

Many of the district administration officials including DTC Veerraju, Registrar of the JNTUA Prof. C Sashidhar Principal of JNTUACEA Prof. SV Satyanarayana, NSS Program Officer Dr.G Mamatha participated in the 2K Marathon. Furthermore, it is worth acknowledging and expressing our deep appreciation for the active participation of several district administrative officials and JNTUA College of Engineering faculty in the 2K Run. Their presence and engagement not only exemplify their commitment to the cause but also highlight the collaborative efforts between local government bodies and educational institutions. This kind of collaboration is instrumental in bringing about positive changes in our communities.

Many of the University Officials and students of JNTUA College of Engineering attended the marathon. Vice Principal, Physical Director, NSS Coordinators and faculty members of University took part in the event. Students of all branches of JNTUA College of Ananthapur involved in the marathon. 300 NSS volunteers were participated actively in the program.

In conclusion, the JNTUCEA Road Safety Awareness 2K Run, in collaboration with the Transportation Department, has been a resounding success. Through this event, we have not only promoted the importance of road safety but also fostered a sense of community and responsibility among participants and spectators alike. The overwhelming support and active participation from all stakeholders underscore our commitment to creating safer roads for everyone.

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As we move forward, let us continue to work together, raising awareness, and implementing measures to ensure road safety. Together, we can make our roads safer, and with events like this, we are taking a significant step in the right direction. We thank all the participants, volunteers, sponsors, and the Transportation Department for their dedication and support. Let's remember that road safety is everyone's responsibility, and together, we can make a difference.

Seminar @ JNTUA CEA

How to Study and write for Civil Services

by ANECA, JNTUA CEA & Planjery Foundation Hyderabad T.S.

Date: 07-10-2023

A seminar on “How to Study and write for Civil Services – Tips for Preparation and Succeed” was organized under the auspices of Anantapur Engineering College Alumni Association (ANECA), Planjery Foundation, Hyderabad and JNTUA CEA Placement Cell in collaboration with Directorate of FAAM JNTU Anantapur. **Sri Addaki Sridhar Babu, IAS**, Secretary, Tobacco Board, Guntur was the speaker in this program. Mr. Addaki Sridhar Babu interacted with the students in the Mechanical Engineering Department seminar hall of the college. Sri Addaki Sridhar Babu said that students should set their life ambition during their education. He suggested students are capable of achieving anything; all they have to do is choose the right method and achieve it. He said that especially students should have will power and a vision. He advised the students

to choose Civil Services as a target and achieve it. College Principal Prof. S.V. Satyanarayana presided over the program. In this program, Director Foreign Affairs and Alumni Matters (FAAM) Prof. P. Sujatha, ANECA Vice President Retd. Prof. V. Sankar, Vice Principal Prof. E. Arunakanthi, Prof. A.P. Siva Kumar Placement Officer JNTUA CEA, Heads of the Departments and students participated.



NEWS FROM JNTUA

Meri Maati Mera Desh

Amrita Kalasha Yatra

@ JNTUA School of Management (MBA Department)

Date: 18-10-2023



JNTU Anantapur University School of Management (MBA Department), NSS Department and Nehru Yuva Kendra (NYK) Anantapur jointly organized ‘Mary Mati Mera Desh - Amrita Kalasha Yatra’ program on 18.10.2023. The chief guest of the program was College Principal Prof. S.V. Satyanarayana. Speaking on the occasion, he said that he was happy to be a part of this great program being organized as part of the Azadi ka Amrita Mahotsav and said that the youth are the backbone of the country’s development and progress. We are leading a comfortable life which is result of bravery of so many fighters, and only when we take forward this spirit of sacrifice it is true tribute to them. Nehru Youth Center (NYK) Anantapur Program Incharge Sri G. Srinivasulu, President Awardee Mr. Bisathi Bharat Kumar, Swachha Bharat Ambassador Mr. Bisati Jeevan Kumar and District Sports Development Officer Sri Narasimha Reddy were present and informed the students about the uniqueness of this program. On this occasion, Kuchipudi, patriotic song dance performance and patriotic song singing performed by management students were very impressive. On this

occasion Dr. D. Varalakshmi NSS Incharge of Management Department, Dr B.C. Lakshammanna, Dr. Basaiah, Dr. Jayarami Reddy, Mr. Sravan Kumar, Mr. Jakeer Hussain, Mr. Viswanath and Ms. Sreelatha, non-teaching staff Mr. Prasad & Mr Nagesh participated. Around 200 MBA students participated making the program a grand success. On this occasion, as the final stage of “Mary Mati Mera Desh”, rice and soil collected was filled in ‘Amrit Kalash’ (holy pot) to be used for the construction of Kartavyapath in New Delhi the capital of the country.

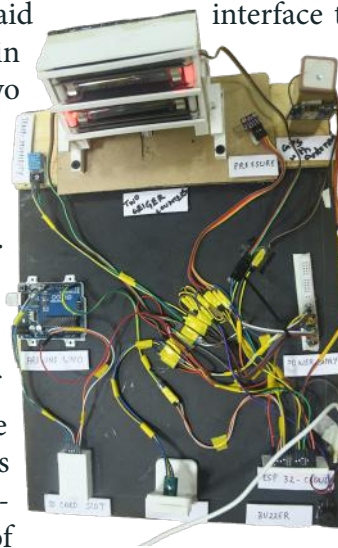


Study of Transport Equation of Galactic Cosmic Rays in the Atmosphere-Cosmic Energy Detector by Dr. A. Saila Kumari, JNTUA CEA

Date: 11-10-2023

A meeting was chaired by the Vice Chancellor Prof G Ranga Janardhana on 11.10.2023 at the Vice Chancellor's Conference Hall of JNTU Anantapur University to discuss the Research Project of Dr A. Saila Kumari titled "A Study of Transport Equation of Galactic cosmic Rays in the Atmosphere-cosmic energy Detector" funded by the University under the Research Seed Grant Scheme. Rector Prof. M. Vijaya Kumar, College Principal Prof. S.V. Satyanarayana, Profs. Dr. Bhuvana Vijaya & Dr. R. Padma Suvarna, Research Scholar Mr. R. Raghavendra participated in the meeting. Speaking on this occasion, Dr. A. Shaila Kumari said that a portable muon detector is made in this project. The lead sheet consists of two Geiger tubes to detect these cosmic rays, she said, adding that the system uses random circuit logic to improve detection accuracy and reduce negative rates. In addition, the instrument has sensors to collect data on temperature, humidity, latitude, longitude and atmospheric pressure, adding that the combination of these features provides a comprehensive and versatile solution for studying muons and their interactions with the surrounding atmosphere. The primary objective of this project is to design and develop a portable muon detector that can accurately measure and record cosmic ray events. To achieve this, two Geiger tubes are placed strategically in a lead sheet enclosure. The lead sheet acts as a shielding material to reduce the effect of background radiation sources, thereby increasing the sensitivity of the instrument to cosmic rays. The random circuit logic implemented in the detector plays a key role in reducing negative results. By simultaneously detecting the beam with both

Geiger tubes, the system effectively filters out spurious signals and focuses only on genuine cosmic ray interactions, Dr. Shaila Kumari said. The sensors include temperature, humidity, latitude, longitude and atmospheric pressure sensors. By integrating these measurements into the instrument, the researchers said they could correlate muon detections with current environmental conditions. This information will contribute to a better understanding of how cosmic ray events are affected by various factors such as weather patterns, altitude and geographic location, she said. The device is designed with a user-friendly interface that allows for easy retrieval and analysis of recorded data. Researchers can gather information about muon fluxes, event rates, and environmental parameters for further research and scientific exploration. Precise time monitoring of cosmic ray events and environmental parameters provides researchers with an opportunity to observe the dynamic nature of the muon flux and its correlation with atmospheric conditions. Particle therapy, including proton therapy and carbon ion therapy, is a form of cancer treatment that uses activated particles to target and destroy cancer cells. By using circuit logic, the system ensures accurate detection and reduces false positives, and the inclusion of temperature, humidity, latitude, longitude and atmospheric pressure sensors allows researchers to collect valuable environmental data. Vice-Chancellor Prof. G. Ranga Janardhana, Rector Prof. M. Vijaya Kumar, college Principal Prof. S.V. Satyanarayana congratulated Dr. A. Shaila Kumari and her team for doing this project and suggested the team to advance the research further.





One Day Workshop

E-Waste Management

@ JNTUA College of Engineering Ananthapuramu.

Date: 13-10-2023



JNNTU Anantapur NSS (National Service Scheme), Subramaniam Charitable Trust (SECT) & Raise Your Hands (RYH) Hyderabad jointly organized a one day workshop on **“E-Waste Management”** at JNTUA College of Engineering Ananthapuramu Auditorium. Rector Prof. M. Vijaya Kumar attended this program as the chief guest. Anantapur Deputy Mayor Sri Kogatam Vijaya Bhaskar Reddy was guest of honor and other invited guests attended. Prof. M. Vijaya Kumar said that organizing such a conference is very beneficial for the students. Electronic waste has become the fastest growing waste stream in the world, more than any other waste. He said that most of this waste which is accumulating recently is computers and cell phones. Experts say there is a need to create industries that generate less waste. He said that there is a need to create a better industry to recycle E- waste. He said that through this new trade employment opportunities are created. He said that students should think about recycling this E-waste. Sri Kogatam Vijaya Bhaskar Reddy said that there is a danger that E-Waste poses a threat to the environment. He said that students should sharpen their intelligence and make efforts to reduce this E-Waste. He said that only

some of the waste that is thrown around the world is collected for recycling and the rest is left in many places. College Principal Prof. S.V. Satyanarayana presided over the program. Dr. S. Sharada acted as the coordinator of this workshop. The program was attended by College Vice-Principal Prof. E. Arunakanthi, Anantapur Deputy Commissioner Sri G. Ramana Reddy, Sri Mahesh Babu Director SECT, Green Army President Mr. Anil, NYK Incharge Director Sri Srinivasulu, SECT President Sri G. Viswanath, RYH President Mr. J. Srikanth, Dr. M. Ramashekhara Reddy the Public Relations Officer JNTUA, Smt. B. Aji- tha HoD Department of Civil Engineering, teaching, non-teaching staff and students participated.



World Food Day Celebrated @ OTPRI

“Water is Food, Water is Life – Leave No One Behind”

Date: 16-10-2023

Department of Food Technology, Oil Technological Pharmaceutical Research Institute (OTPRI) Ananthapuramu celebrated ‘World Food Day’ on **16.10.2023** (Monday). The program was inaugurated by Vice-Chancellor Prof. G. Ranga Janardhana by lighting the traditional lamp. On this occasion, the Vice-Chancellor said that steps should be taken to ensure that everyone in the society gets nutrition and food waste should be avoided. He spoke on the theme of World Food Day and explained the role of Green Revolution in preventing food shortage and growing food abundance in India. OTPRI Director Prof. B. Durga Prasad said that despite adequate productivity, there are still a large number of people who are starving. He urged the students to fulfil the responsibility to provide food for all and prevent malnutrition among young children and women. On this occasion essentials were

provided to Adarana Seva Samaj Trust, Anantapur. Students presented posters on the occasion of World Health Day. Dr. Y.M. Jabeen acted as the coordinator for this program. Prof. A. Swaroop Rani, OTPRI College Principal Dr. C. Gopinath, Sri. A. Prabhakar Assistant Registrar, teaching, non-teaching staff and students participated.





JNTUA Celebrates Birth Anniversary of India's Great Scientist & Former President Bharat Ratna **Late Dr. A.P.J. Abdul Kalam**

Date: 15-10-2023

Former President of India **Bharat Ratna Late Dr. A.P.J. Abdul Kalam Jayanti** celebrations were held in the administration building of the University on **15.10.2023**. Registrar Prof. C. Sashidhar, senior officials and staff members of the university paid floral tributes to the portrait of Dr. Abdul Kalam. Speaking on this occasion, the Registrar praised Abdul Kalam as a great teacher, a great scientist, who came from a poor family and became the President of India. He said that his work in the field of India's defence research is unforgettable. As President of India he gave many inspirational messages to the future generations to walk on a bright path. Dr. Kalam gave crucial suggestions to prevent climate change which has become a curse to the world. He especially worked for the development of ballistic missile and vehicle launch technology. Registrar said that India can be placed at the forefront only when everyone moves forward as a researcher. He also added that Dr. Abdul Kalam was a great person who spent his life with students and considered the welfare of peaceful Indian society as the mantra of progress. He said that he was known as 'Missile Man of India' and awakened the youth to dream and make them come true. He said that there is a great need to inform this generation about the aspirations and achievements of Dr. Abdul Kalam. Vice Princi-

pal of College Prof. E. Arunakanthi and the staff of the college, Prof. A. Suresh Babu, OTPRI Director Prof. B. Durga Prasad, Dr. D. Vishnuvardhan, Dr. M. Ramasekhara Reddy, Dr. Madhusudhana Reddy, PA to Registrar Mr. Sai Manish, Head Security Sri. S. Venkatesh, teaching, non-teaching and outsourced staff participated in the celebrations. Anantapur Deputy Commissioner Sri G. Ramana Reddy, Sri Mahesh Babu Director SECT, Green Army President Mr. Anil, NYK Incharge Director Sri Srinivasulu, SECT President Sri G. Viswanath, RYH President Mr. J. Srikanth, Dr. M. Ramasekhara Reddy the Public Relations Officer JNTUA, Smt. B. Ajitha HoD Department of Civil Engineering, teaching, non-teaching staff and students participated.



JNTUA NEWS

JNTU Anantapur conducts CAS Interviews

Date: 19-10-2023

Interviews under Career Advancement Scheme (CAS) were conducted in J.N.T.U. Anantapur on **19.10.2023**. Interviews for promotion from Associate Professors to Professors and from Assistant Professors to Associate Professors were conducted under the chairmanship of Vice-Chancellor Prof. G. Ranga Janardhana, State Governor Nominee, various Board of Studies chairpersons and various experienced professors. Teaching faculty from the departments of the University ECE Department 3 members (from Assistant Professor to Associate Professor), CSE Department 1 member (Assistant Professor to Associate Professor) and 1 member (Associate Professor to Professor), Mechanical Engineering Department 1 member (Assistant Professor to Associate Professor), Biotechnology Department 1 member (Assistant Professor to Associate Professor) and 1 member Tech ANANTH Volume 2, Issue X1, Pages 37

(Asst. librarian to deputy librarian) attended these interviews. In these interviews Registrar Prof. C. Sashidhar, Director DAP Prof. V. Sumalatha, DoA Prof. R. Kiranmai, Prof. P. Chenna Reddy of CSE and interview panel members participated



Mr Srivatsan Varadhan (1979-83 Alumnus) Delivers Talk “Expectations of Industry Managers from Entry Level Engineers” @ JNTUA CEA

Date: 16-10-2023

JJNTU Anantapur College of Engineering Ananthapuramu, Anantapur Engineering College Alumni Association (ANECOA), Directorate of Foreign Affairs and Alumni Matters (FA&AM) JNTUA and School of Management Studies JNTUA jointly organized a one day seminar on “Important Aspects of Business Management, Marketing, Finance, Sales and other Personality Aspects” and “Expectations of Industry Managers from entry level engineers” on 16.10.2023 at the college auditorium. Mr. Srivatsan Varadhan Consultant, SV Air Temperature Solution, Canada, alumnus of the college (1979 – 83 Batch) gave guest lecture to MBA and Engineering students. On this occasion Mr. Srivatsan Varadhan said that robotics, artificial intelligence and internet of things will gain more importance in the industries in the coming period. He said that there are good and bad in every matter, one should realize the good in them and move forward. He also suggested developing leadership qualities. He said that one will be able to develop especially when one is satisfied with his respective job. He said that one should choose life ambition in these four years and move towards it. He answered many questions asked by the students on this occasion. Prof. P. Su-

jatha, Director FAAM presided this program. Later Vice Chancellor Prof. G. Ranga Janardhana honored Mr. Srivatsan Varadhan in his office. In this program Vice Principal Prof. E. Arunakanthi, Head MBA Department Dr. T. Narayana Reddy, HoDs Prof. S. Chandra Mohan Reddy, Dr. K. F. Bharathi, Dr. Kalyani Radha, Dr. Ramasekhara Reddy, Mrs. B. Ajitha, ANECOA Vice President Retd. Prof. V. Sankar, Dr. A.P. Siva Kumar, former students (1979 – 83 batch) Mr. Venkata Ramana, Mr. Satyanarayana Rao, MBA & final year engineering students participated.



One Day Workshop Awareness Program on Pink October

NEWS FROM JNTUA CEA

organized by

Date: 16-10-2023

Directorate of Women Empowerment JNTUA & WEC, JNTUA CEA

Directorate of Women Empowerment JNTU Anantapur and Women Empowerment Cell JNTU Anantapur College of Engineering and KIMS Saveera Hospital Anantapur jointly organized a one day seminar on “Awareness on Breast Cancer” at JNTUA College of Engineering Ananthapuramu. Prof. P. Sujatha Director of Foreign Affairs and Alumni Matters (FAAM) was the Chief Guest of the program. Speaking on the occasion Prof. P. Sujatha said that such awareness conferences are very useful for women. She said that there should be awareness about breast cancer in particular. The guest of honor for this program, Sri R. Mohammad Akram, Deputy General Manager; Saveera Cancer Hospitals said that the treatment for breast cancer is available and explained about the facilities in their hospital. Another guest of honor was Dr. Udaya Rani, Gynaecologist, spoke about breast cancer in women, its symptoms

and its prevention. Prof. V.B. Chitra Director Women Empowerment of JNTUA presided for this program. College Vice-Principal Prof. E. Arunakanthi, Prof. R. Padma Suvarna, Prof. Prashanthi, Smt. B. Ajitha Women Empowerment Cell Coordinator, Dr. K. Madhavi, Dr. A. Shaila Kumari, Dr. Lalitha Kumari, Dr. K.F. Bharathi, Dr. Aruna and others participated in the program.



Sri B. Joji Reddy Sports Council Secretary JNTUA Wins National Level Tennis Doubles Runner Up at Hyderabad, TS.

Date: 30-09-2023 - 02-10-2023



JNTUA Sports Council Secretary Sri B. Joji Reddy won the National Tennis doubles runner up in HOTA Championship at Hyderabad from 30-09-2023 to 02-10-2023. He partnered with Sri. Anand Swaroop of Hyderabad in 60+ age group. Sri B. Joji Reddy was a special invited player for the tournament. The tournament was organized by Sri. C.V Anand I.P.S., Hyderabad City Commis-

sioner and Nandyala Narasimha Reddy D.C.P of Cyberabad, Telangana.



JNTUA Tennis Men & Women Team Selection

@ JNTUA College of Engineering Ananthapuramu.

Date: 18-10-2023

JNTU Anantapur Tennis Men & Women Team Selection was held on 18.10.2023 under the auspices of Department of Physical Education, JNTUA College of Engineering Ananthapuramu. The chief guest of the program was College Principal Prof. S.V. Satyanarayana. Addressing the sportspersons on this occasion, he said that students should excel in sports as well as technical education, winning and losing in sports is natural and participating in sports is important. He said that participation in sports will keep us healthy. Congratulating the selected students on this occasion, he advised others not to be discouraged and try hard. Sports Council Secretary Sri. B. Joji Reddy selected the players and congratulated them.



University Level Selections for West Zone NSS

Pre-Republic Day Parade Camp- 2023

Date: 31-10-2023

@ KL University, Vaddeswaram, Mangalgi, Vijayawada A.P.

JNTU Anantapur conducted University Level Selections under NSS for 'Pre-Republic Parade Camp' on 31.10.2023. Three girls from JNTUA Anantapur were selected in this selection. Ms. Shaik Sana Anjum, Ms. Y. Yamini from Anantapur Engineering College and Ms. D.V.V.S Charitha from Kalikiri College of Engineering are the students who were finalised for the camp. These selected girls will undergo Pre Republic Parade Camp from 01.01.2024 to 31.01.2024 in National Capital New Delhi. The students selected in the camp will be participating in the Republic Day Parade on January 26. The selected students in these selections were congratulated and felicitated by the Vice-Chancellor Prof. G. Ranga Janardhana, Rector Prof. M. Vijaya Kumar, Registrar Prof. C. Sashidhar, Director A&P Tech ANANTH Volume 2, Issue X1, Pages 37

Prof. V. Sumalatha, College Vice-Principal Prof. E. Arunakanthi, NSS Coordinator Dr. S. Sharada, Dr. G. Mamatha, Dr. D. Vishnuvardhan, Dr. B. Dilip Kumar JNTUA CEA NSS POs, and NSS POs of other colleges and NSS volunteers.





Khadi Mahostav Celebrations

@ JNTUA College of Engineering Ananthapuramu.

National Service Scheme (NSS) Unit III of JNTUA CE Ananthapuramu

20th October 2023

- A report by Dr. G. Mamatha, NSS Program Officer.



The Ministry of youth Affairs and sport, Govt. of India and Directorate of NSS, GOI, New Delhi, directed the NSS units to celebrate Khadi Mahostav Celebrations during 2nd – 30th October 2023 with the objective of promoting Khadi and village industries, handloom and handcraft products of various traditional and cottage industries manufactured locally and to further promote the idea of “Vocal for Local” and Atma Nirbhar Bharath Abhiyan envisioned by the Hon’ble Prime Minister Govt. of India.

Under the celebrations National Service Scheme (NSS) units of JNTUA College of Engineering Anantapur organised Khadi Fashion Show where Faculty and Students participated with traditional local products.

The program was held at New Lecture Hall Complex at 6:00pm. The Lecture Hall Complex floor was decorated with rangoli and was filled with diyas all over.

It was started with the Ramp Walk. All the university officials, NSS Coordinators and the students were involved in this Khadi Mahostav Ceremony. All the people were dressed in khadi clothes. And prizes were distributed to some participants of ramp walk. They were taken prizes from the Vice Chancellor Prof. Ranga Janardhan , Registrar prof C . Sashidhar , Principal Prof. S. V. Satyanarayana , Tech ANANTH Volume 2, Issue X1, Pages 37

Vice Principal Prof. E.Arunakanthi, NSS Program officers Dr G.Mamatha and Dr D.Vishnu Vardhan.

Thereafter certificates were issued to some students who participated very actively in NSS Mega Event.

Finally all the celebrations were held successfully with the presence of all university officials, teaching and non-teaching staff and students.





Navaratri Celebrations - Ayudha Puja

@ JNTUA College of Engineering Ananthapuramu.

Date: 21-10-2023

Ayudha Puja' was conducted in the campus college JNTUA College of Engineering Ananthapuramu. Vice-Chancellor Prof. G. Ranga Janardhana and Registrar Prof. C. Sashidhar along with the College Principal Prof. S.V. Satyanarayana attended and performed Durga Mata Puja in the college principal office, Academic Section, Chemical Engineering Department, CSE Department, ECE Department, EEE Department, Power Office, Engineering Cell, Civil Engineering Department and Mechanical Engineering Department. After that they wished everyone a very happy Dussehra. Vice Principal Prof. E. Arunakanthi, HoDs Dr. S. Chandra Mohan Reddy, Dr. Kalyani Radha, Dr. K. F.

Bharthi, Dr. M. Ramasekhara Reddy, Dr. B. Dilip Kumar, Mrs. B. Ajitha, DRs, ARs, teaching, non-teaching staff and outsourcing staff participated in the puja.



Six Day AICTE ATAL Faculty Development Program

National Education Policy 2020 - Education for Sustainability

Department of Science & Humanities

@ JNTUA College of Engineering Ananthapuramu.

Date: 30-10-2023



Asix day (30.10.2023 to 04.11.2023) faculty development program (FDP) on the topic "National Education Policy 2020 - Education for Sustainability" under AICTE Training & Learning (ATAL) was inaugurated at JNTUA College of Engineering Ananthapuramu on 30.10.2023. Rector Prof. M. Vijaya Kumar attended the faculty development program as the chief guest and inaugurated the program by lighting the traditional lamp. Later Prof. M. Vijaya Kumar said that the teachers should increase their awareness about skills and said that skills have a very important role in the present society along with education. Such training programs are very useful for teachers to improve their knowledge in accordance with modern technology and to teach students to understand new things. He said that the faculty should focus on research, patents and innovations. He said that teachers should develop more awareness about NEP-2020 (National Education Policy). He added that mutual understanding between industries and colleges should be increased. Dr. P. Satyanarayana Reddy Retd. Professor of Osmania University, Hyderabad was present as a special guest for this program. He said that if the teachers are given skill training on the latest tech-

nologies, they will have a chance to advance further. The teachers who participated in this program were asked to create awareness about skills among the students in their colleges. He said that due to such programs teachers learn new things and will be able to teach new things easily to students. College Principal Prof. S.V. Satyanarayana presided over the inaugural function. Prof. V.B. Chitra is the coordinator of this program. Co-Coordinator is Dr. G. Mamatha of ECE Department. In this program Vice-Principal Prof. E. Arunakanthi, Dr. K.F. Bharathi, Dr. M. Ramasekhara Reddy, Retd. Prof. V. Sankar, faculty members of various colleges and students participated.





RASHTRIYA EKTA DIWAS

@ JNTUA College of Engineering Ananthapuramu.

National Service Scheme (NSS) Unit III of JNTUA CE Ananthapuramu

31st October 2023

- A report by Dr. G. Mamatha, NSS Program Officer.



Anantapur, AP, India
JNTU College of Engineering, Anantapur, 515002,
AP, India
Lat 14.651162, Long 77.606220
10/31/2023 05:24 PM GMT+05:30
Note : Captured by GPS Map Camera

As per the directions of Govt. of India, New Delhi, the department of Ministry of Youth Affairs and Sports (MoYAS), NSS Units all over the country celebrated the birth anniversary of Sardar Vallabhbhai Patel, October 31, as **Rashtriya Ekta Diwas (National Unity Day)**. Aim of this occasion is to foster and reinforce our dedication to preserve and strengthen the unity, integrity and security of our nation. Prime Minister Narendra Modi participated in the '**Rashtriya Ekta Diwas**' programme on

October 31 in Gujarat's Kevadia and pay tribute to **Sardar Vallabhbhai Patel** on his 148th birth anniversary. NSS program officers Dr. G. Mamatha, Dr. D. Vishnu Vardhan and all 2nd year NSS volunteers have participated in the National Capital Live Telecast. Dr. G. Mamatha explained the profound importance of the National Unity Day and highlighted the crucial role played by the National Service Scheme (NSS) in promoting Unity, Integrity, and Security within our nation and acknowledged the National Service Scheme's ability to unite NSS volunteers from different corners of the country with enthusiasm and dedication. She reiterated the significance of volunteer participation and emphasized the need for selfless service, aligning it with the objectives of the Azadi ka Amruth Mahotsav.

Subsequently, all the students participated in the Rashtriya Ekta Diwas pledge stating that, "**One should dedicate oneself to preserve the unity, integrity and security of nation and also strive hard to spread the message among the fellow countrymen**".



RASHTRIYA EKTA DIWAS CELEBRATED @ JNTUA

On the occasion of Sardar Vallabhbhai Patel's birth anniversary, '**Rashtriya Ekta Diwas**' celebrations were held in the administration building in JNT University Anantapur on **31.10.2023** (Tuesday). In this program Vice-Chancellor Prof. G. Ranga Janardhana, Rector Prof. M. Vijaya Kumar and Registrar Prof. C Sashidhar along with senior officers and staff of the University paid floral tributes to the portrait of Sardar Vallabhbhai Patel. On this occasion Vice Chancellor Prof. G. Ranga Janardhana said that Rashtriya Ekta Diwas is celebrated on October 31st each year in India. He said that the day will be celebrated to commemorate the birth anniversary of Sardar Vallabhbhai Patel, who played a major role in the political integration of India. After independence, he served as Home Minister and Deputy Prime Minister of India in the Union Cabinet headed by Jawaharlal Nehru. He was a person who worked hard to merge many states of the country into the

Union of India. In 1991, the Government of India honored him with the "Bharat Ratna" and "Man of Iron" title. He died on December 15, 1950. Later, the Vice-Chancellor, NSS Coordinator Dr. Sharada, on the occasion of National Unity Day, administered 'Ekta Diwas Pledge' to the university authorities and NSS students to support national unity, integrity and protection. The program was attended by the University Directors, teaching staff of JNTUA CEA, DRs, ARs, non-teaching staff, students and outsourced staff.





◆ Events Organized during the Month of October – 2023

- ◆ A Seven days international online Faculty Development Program on “**Industry Grade JAVA – Integrating Testing Framework, Sonar Qube with a Mini Project**” organised by Department of Computer Science & Engineering– Artificial Intelligence from **27.09.2023 - 05.10.2023**.
- ◆ A One Day Event on “**Gandhi Jayanthi**”, organised by NSS Cell-MITS and NCC Cell MITS on **02.10.2023**.
- ◆ A Three Day online Faculty development program on “**Introductory Universal Human Values (UHV)**” organized by UHV Cell, in association with NCC-IP, AICTE from **05th to 07th October 2023**.
- ◆ A One-day Guest Lecture on “**Career Development**” organized by Department of Civil Engineering on **07.10.2023**.
- ◆ An Industrial Visit to “**Royalaseema Thermal Power Project (RTPP)**” Muddanur, Kadapa, Andhra Pradesh on **08.10.2023**, organized by Department of Mechanical Engineering.
- ◆ A One- day workshop on “**IoT using nodeMCU**” Organized by Department of Computer Science & Engineering - Data Science **09.10.2023-10.10.2023**.
- ◆ MITS Signed on MoU with Excel REd tech Pvt. Ltd, Bengaluru on **12.10.2023** held at IEEE Education Society, Leadership Summit 2023, Vishakapatnam with CCoE, DSCI, Goct. Of TS and MoU exchanged Institutions representatives.
- ◆ A Webinar on “**An Overview of Anaerobic Digestion Process for Biogas Production**” on **12.10.2023** organized by Department of Mechanical Engineering.
- ◆ An Awareness Program on “**Cyber Security**” is conducted from **09.10.2023- 13.10.2023** organized by CSE-(Cyber Security).

- ◆ Alumni Interaction with esteemed guest Mr.SURESH BUKKARA NAGARAJU, organized by Department of Electrical & Electronics Engineering on **16.10.2023**.

- ◆ An Induction program conducted by Department of Management Studies & Department of Computer Applications for I Year students from **16.10.2023 – 27.10.2023**.

- ◆ A One-day Industrial Visit to “**Delphi TVS-Chennai**” organized by Department of Electrical & Electronics Engineering on **17.10.2023**.

- ◆ Alumni Guest Lecture on “**Employability skills for the future**” organized by Department of Computer Science & Technology on **17.10.2023**.

- ◆ A Quiz Competition on “**Brand Buddhi pratiyogita**” is conducted on **18.10.2023**, organized by Department of Management Studies.

- ◆ A One Day National Level Students Workshop on **18.10.2023**, organized by Department of Mechanical Engineering.

- ◆ An Awareness Program on “**Road Safety**” with esteemed guest Mr. O Sivanjaneyulu, Circle Inspector is conducted on **20.10.2023**, by Department of Mechanical Engineering.

- ◆ A One-day Guest Lecture on “**Networking for Entrepreneurial Success**” organised by Department of Management Studies on **20.10.2023**.

- ◆ An Orientation Program on Entrepreneurship & Career Development organized by Department of Management Studies in association with Entrepreneurship Development Cell on **26.10.2023**.

- ◆ Alumni Guest Lecture on “**Role of Performance tester: Sharing updates on current opportunities**” In association with IIIC/MITS organised by Department of CST on **26.10.2023**.

- ◆ Parents Meeting Conducted on **31.10.2023** in Department of Mechanical Engineering.

- ◆ **National Unity day** was celebrated on **31.10.2023**, organized by MITS NSS.

Paper publications:

- ◆ Dr Aravind B, Assistant Professor, Department of Computer Science & Technology published a paper on “**Applying Artificial Intelligence Techniques in Cyber Security Field**” in Acta scientific computer sciences.

Books Published:

- ◆ Dr. B. Rajesh Kumar, Assistant Professor, Department of Management Studies published a book titled “**Role of Information Technology in Research: An Overview**” ISBN No. 978-93-9363-153-4, by Oxford Publishers & Distributors.

News from University



1. A meeting was held under the Chairmanship of Hon'ble Vice Chancellor on **05.10.2023** regarding Award Ceremony of ISO Certificates, which was issued to JNTUA, JNTUA CEA, JNTUA School of Management studies and JNTUA OTPRI by M/s HYM international Pvt., Ltd., Hyderabad. The Rector, the Registrar, the University Officials, Concerned Staff of M/s HYM international Pvt., Ltd., Hyderabad attended the meeting.

2. 49th Building Committee meeting was held, **05.10.2023** under the chairmanship of Hon'ble Vice Chancellor. The Rector, Registrar, EE (R&B), Principal, College of Engineering Anantapur, Principal College of Engineering Pulivendula, Principal College of Engineering Kalikiri, Director OTPRI, University Engineer, JNTUA DEE (QC), DEE JNTUA College of Engineering Pulivendula attended the meeting.

3. A meeting was held under the Chairmanship of Hon'ble Vice Chancellor through blended mode with Principals of the constituent Engineering colleges on **05.10.2023** in connection with maintenance of ambience/ cleanliness in hostels.

4. The Screening & Evaluation Committee meeting for CAS interviews was held under the Chairmanship of Hon'ble Vice chancellor on **10.10.2023**. The Rector, Registrar, DAP, University officials, and members of the committee attended the meeting.

5. A meeting was held under the chairmanship of Hon'ble Vice Chancellor on **11.10.2023** in connection with Discussion on the Seed Grant awarded to project titled "A Study on Transport Equation of Galactic Cosmic Rays in the Atmosphere-Cosmic Energy Detector". The Rector, Director of Sponsored Research, Principal, Dr. Saila Kumari, Dept., of Mathematics, JNTUA College of Engineering Anantapur attended the meeting.

6. Hon'ble Vice Chancellor attended the all Vice Chancellors' meeting held through virtual mode,

hosted by Principal Secretary to Govt., to HE Dept., AP and The Chairman, APSICHE, AP on **17.10.2023** regarding to discuss on recruitment notifications to be issued by the University. The Registrar, JNTUA, attended the meeting.

7. The 34th Meeting of Standing Committee for Academic Senate of the University was held under the Chairmanship of Hon'ble Vice Chancellor on **18.10.2023**.

8. Career Advanced Scheme (CAS) interviews were conducted under the chairmanship of Hon'ble Vice Chancellor on **19.10.2023** for faculty promotions. The Director of Academic & Planning, Panel Members, Governor Nominee, University Nominee and subject experts attended.

9. A Special EC meeting of JNTUA Ananthapuramu was held under the chairmanship of Hon'ble Vice-Chancellor through blended mode on **19.10.2023**. Sri J. Syamala Rao, IAS., Principal Secretary to HE, Govt. of AP; Sri Venkateswara Rao, Deputy Secretary, Finance Department, Govt. of AP; Prof. K. Hemachandra Reddy, Chairman, APSICHE, AP, Prof. M. Vijaya Kumar, Rector, JNTUA, Ananthapuramu, Prof. B. Durga Prasad, Director, JNTUA OTPRI, Ananthapuramu, Prof. S. Vasundra, Principal, JNTUA CEA, Ananthapuramu, Dr. D. Jothieswari, Principal, Sri Venkateswar College of Pharmacy, Chittoor, Dr. Ramasekhar Reddy, Head of EEE, JNTUA CEA, Ananthapuramu, Dr. G. Meerimatha, Srinivasa Ramanuja Institute of Technology, Ananthapuramu, Dr. D. Harichandra Rama, Chartered Accountant, Ananthapuramu, Dr. M. Vamsi Krishna, Doctor, Ananthapuramu, Prof C. Sasidhar, Registrar, JNTUA, Ananthapuramu attended the meeting.

10. Hon'ble Vice-Chancellor attended as a Chief Guest to Fresher's Day Program (2023 Batch) of Government Medical College, Ananthapuramu on **20.10.2023**. Dr. Manikhya Rao, Addl. DME, Principal, Govt. Medical College, Ananthapuramu, Dr. K.S.S. Venkatewara Rao, Addl. D.M.E. Superintendent GGH, Ananthapuramu, Vice Principals of UG& PG, Govt. Medical College, Ananthapuramu, Students and Staff of the respective College attended the program.

11. Hon'ble Vice Chancellor attended the AIU South Zone VCs Meet 2023-24 through Virtual Mode on **26.10.2023**, which was held at VTU, Belagavi during October 26-27, 2023.

12. Hon'ble Vice Chancellor attended the meeting of all Vice Chancellors, AP through virtual mode, hosted by APSICHE on **31.10.2023** regarding recruitment notifications of the Universities. The Registrar, JNTUA, attended the meeting.

News from Constituent Units



JNTUA CE Ananthapuramu

Hon'ble Vice-Chancellor visited and conducted inspection of all the Departments, newly constructed buildings at JNTUCEA, on **06.10.2023** and **12.10.2023**.



JNTUA CE Kalikiri

Hon'ble Vice-Chancellor visited JNTUA College of Engineering, Kalikiri on **14.10.2023** and interacted with staff and students of the college on **14.10.2023**



JNTUA CE OTPRI

Hon'ble Vice-Chancellor attended the program on **"Water is Food, Water is Life – Leave No One Behind"** as a Chief Guest organized by Department of Food Technology, OTPRI, JNTUA, Ananthapuramu in connection with World Food Day on **16.10.2023**. The Director, Principal, teaching staff and students at respective college attended the program.



JNTUA CE Pulivendula

JNTUA College of Engineering, Pulivendula organized a 3 Day Faculty Development Programme on **"Introductory Universal Human Values (UHV)"** on **05th October 2023**. A Five-Day Faculty Development program on **"Recent Trends in VLSI Technologies and Practical Approaches towards IP using EDA Tools"** organized by Faculty Development Cell, JNTUA & Seven Hills College of Pharmacy, Tirupati From **9th to 13th October 2023**.



The basic idea of governance, as I see it, is to hold the society together so that it can develop and march towards certain goals.

-Lal Bahadur Shastri-

News from Affiliated Colleges

1. Hon'ble Vice-Chancellor attended as a Chief Guest to a Five-Day Faculty Development Program on "Research Challenges in Formulation Development and Contemporary Analytical Techniques in Drug Discovery" which was jointly organized by JNTUA in association with ISTE, AP Section at Annamacharya College of pharmacy, Rajampet on 03.10.2023. The Chairman, Principal, teaching staff and students at the respective college attended the program.
2. A Five-Day Faculty Development program on "Research Challenges in Formulation Development and Contemporary Analytical Techniques in Drugs Discovery" Organized by Faculty Development Cell, JNTUA & Annamacharya College of Pharmacy, Rajampet from 3rd to 7th October 2023.
3. Hon'ble Vice-Chancellor attended as a Chief Guest to a Five-Day Faculty Development Program on "Recent Trends in VLSI Technologies and practical Approaches towards IP using EDA Tools" which was jointly organized by JNTUA in association with ISTE, AP Section at Santhiram Engineering College, Nandyal on 09.10.2023. The Chairman, Principal, teaching staff and students at the respective college attended the program.
4. Hon'ble Vice-Chancellor visited and inspected RGM College of Engineering and Technology, Nandyal on 09.10.2023 and also interacted with Principal, Staff and Students of the college on the same day.
5. G. Pulla Reddy Engineering College organized one-week online FDP on "UAV Technologies and its Applications" during 10th to 18th October 2023.
6. Health Camp and Health Awareness Program at G.Pullaiah College of Engineering on 12.10.2023.
7. Rajeev Gandhi Memorial College of Engineering & Technology organized a Faculty Development Program on Artificial Intelligence in Association with AICTE ATAL Funding during 16-10-2023 to 21-10-2023.
8. Hon'ble Vice-Chancellor attended as a Chief Guest to a Five-Day Faculty Development Program on "Research Innovation & Capacity Building Skills for Pharmacy Educators" jointly organized by JNTUA, Ananthapuramu & ISTE AP Section on 30.10.2023 at Sri Padmavathi School of Pharmacy, Tiruchanoor. The Chairman, Principal, teaching staff and students of the respective college were also attended the program.



Acrylic Painting_Still Life by Ms. Neha Mallika, Assistant Professor(C),
Department of Chemical Engineering, JNTUA CE Ananthapuramu.

University Examination Results



Results of the semester end examinations conducted by the university declared in the month of **October 2023** are as below:

06-10-2023

B.Tech III Yr I & II sem (R20, R19 & R15) Reg & Supple Aug 2023 Exams.

07-10-2023

MBA II sem Reg & Supple Aug/Sep 2023 and MCA II sem Reg & Supple Aug/Sep 2023 Exams.

16-10-2023

Recounting results of MBA IV sem (R21) Regular August 2023 and MCA IV sem (R21) Regular August 2023 Exams.

18-10-2023

B.Tech II Yr I & II sem (R20, R19 & R15) Reg & Supple Aug/Sep 2023 Exams.

19-10-2023

MBA III and I sem (R21 & R17) and MCA III and I sem (R21, R20 & R17) Exams.

26-10-2023

Recounting results of B.Tech I Yr I sem (R20) Supple July/August 2023 Exams, B.Tech I Yr I sem (R15) Supple July 2023 Exams and Challenge Valuation results of B.Tech III Yr I sem (R20) Reg & Supple Jan/Feb 2023 Exams.

27-10-2023

Recounting results of MCA II sem (R21) Reg & Supple Aug/Sep 2023 and MBA II sem (R21) Reg & Supple Aug/Sep 2023 Exams.

28-10-2023

Recounting results of B.Tech I Yr II sem (R20) Reg & Supple July/August 2023, B.Tech I Yr II sem (R15) Supple July 2023, B.Tech III Yr II sem (R19) Supple August 2023, B.Tech III Yr II sem (R15) Supple August 2023, M.Tech IV sem (R21) Regular July/Aug 2023, Pharm.D III Year Regular September 2023 and B.Pharm I-I, II-I & II-II (R19 & R15) Reg & Supple Sep 2023.

30-10-2023

M. Pharmacy IV sem (R21 & R17) Exams and Pre-Ph.D Winter session Exam Results.

31-10-2023

Recounting results of MBA II sem (R17) Supple Aug/Sep 2023, B.Tecg I Yr II sem (R19) Supple July 2023 and B.Tecg I Yr I sem (R19) Supple July 2023 Exams.





“ Books / Book Chapters Published ”

1. Hima Bindu, G.B., Ramani, K., Shoba Bindu. C faculty of JNTUA College of Engineering Anantapur published a book “QOS Enhanced Energy Aware Task Scheduling Models in Cloud Computing” published by Springer, Singapore, link https://doi.org/10.1007/978-981-99-1482-1_7.
2. Mamatha, T., A. Balaram, B. Rama Subba Reddy, C. Shoba Bindu, and M. Niranjana murthy faculty of JNTUA College of Engineering Anantapur

has published a book “Applications and Advancements in Data Science and Analytics” published by Wiley,

Link: <https://doi.org/10.1002/9781119841999.ch17>.

3. B. Rajesh Kumar faculty of RGM College of Engineering and Technology published a book “Role of Information Technology in Research: An Overview”, published by Oxford publishers, ISBN: 978-93-9363-153-4.



“ Patents Published/ Awarded ”

1. B. Naga Kiran faculty of RGM College of Engineering and Technology, Nandyal published a patent on Sustainable Roller Compacted Concrete Technology in Local Road Construction. The patent application number is 202331058295.
2. P Sai Sampath Kumar faculty of RGM College of Engineering and Technology, Nandyal published a patent entitled “Advanced Diagnostic Algorithm for Battery and Motor Anomalies in Electric and Hybrid Vehicles” from Patent Application Publication (Application number: 202341064056).
3. Y Vijaya Suresh, faculty of RGM College of Engineering and Technology, Nandyal published a patent entitled “Integration of IOT And Machine Learning Approaches for Predicting Soil Moisture And Weather With Crop Prediction To Improve Agriculture Yields” from Patent Application Publication (Application number: 202341063944 A).
4. Jayakishore S, P Charan Theja and Dr E Venkata Kondaiah faculty of SV College of Engineering, Tirupati published a patent on “Design and Fabrication of CNC Graphic Tablet using Arduino Board”, Application No.202341052878, Publication date 6th Oct 2023.
5. G. Anusha, faculty of SV College of Engineering, Tirupati published a patent titled the “Development of sustainable pavements on clay subgrades Treated with Cementations materials” on

6th Oct 2023 publication date application number 202321053269.

6. T. Sravani faculty of SV College of Engineering, Tirupati published a patent titled the “A Panel Connectivity structure in assembling a building and manufacturing method there of” on 6th Oct 2023 publication date application number 202341064165A.

7. Dr. J A Baskar, Mr. P Vinod Kumar, and Mr. G. Dillibabu faculty of SV College of Engineering, Tirupati published a patent titled “Automated Text Composition System Based on Machine Learning and Deep Learning” and is assigned the application number 202341066665 October 20th, 2023.

8. Dr. Shaik Rafikiran faculty of SV College of Engineering, Tirupati published a patent application with the Indian Patent Office. The application is titled “Durable and High-Performance Lithium Ion Batteries Utilizing Nano structured Cathode Materials” and is registered under application number 202341068059 On October 20th, 2023.

9. M. Jyothsna Devi, K. Prathibha, and N. Pushpa faculty of SV College of Engineering, Tirupati have submitted a patent application to the Indian Patent Office published with the title ‘Advanced Diagnostic Algorithm for Detecting Battery and Motor Anomalies in Electric and Hybrid Vehicles’, bearing Application Number 202341064056A On the 6th October 2023.

NCC/NSS/Service Programmes

Webinars, awareness sessions, seminars, competitions were conducted by NSS units of the constituent colleges/units on the following important days in the month of October 2023:

1. International Food Day on 02.10.2023.
2. Celebrated Gandhi Jayanthi on 02.10.2023.
3. International Day of non- violence day (Swatch Bharath mission – Clean India mission on 03.10.2023.
4. National Blood Donation Day on 03.10.2023.
5. International Girls Child Day on 11.10.2023.
6. Personality Development, Career Guidance, and Career Counselling at Sri Venkateswara college of Engineering Kadapa on 12.10.2023.
7. Amrith Kalasa Yatra on 13.10.2023.
8. National Unity Day & Pledge on 31.10.2023.



Awards and Recognitions

1. Prof. S. V. Satyanarayana, Principal JNTUA College of Engineering Anantapur elected as Vice President of Indian Membrane Society for 2023-2026.
2. Dr. D Lenine Professor, faculty of RGM College of Engineering and Technology, Nandyal received “Excellence for Research” award in ASIA International Research Awards 2023 held in Trichy, Tamilnadu on 2nd October 2023.

Journal/Conference Publications

The faculty members of the University published 09 research papers and affiliated colleges have published 121 research papers in peer reviewed journals, seminars & conferences during this month.

Projects Initiated/ completed

Department of Civil Engineering, JNTUA College of Engineering Ananthapuramu generated an amount of Rs. 66,896/-through Industrial Consultancy Services.

Ph.D Awarded List

Ph.Ds Awarded: The University has awarded Ph.D. to **15** research scholars during this month. Details are as below

Discipline	Number of Ph.D's Awarded
Electrical and Electronics Engineering	01
Mechanical Engineering	01
Electronics and Communication Engineering	04
Computer Science & Engineering	04
Chemistry	02
Mathematics	01
Chemical Engineering	01
Food Technology	01
Total	15



Education should develop the mind, body and character of the learner in a holistic manner.

-Mahatma Gandhi-

Important National & International Days in October

Gandhi Jayanti & International Day of Non-Violence

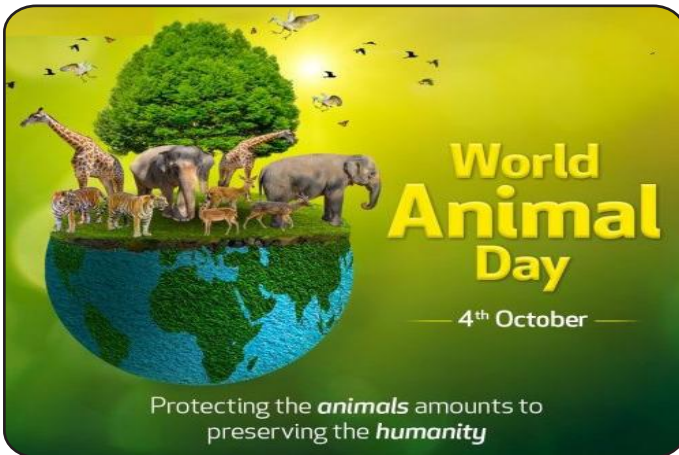


International Day of Non-Violence is observed on **2nd October** to mark the birthday of Mahatma Gandhi who had played an important role in India's Independence. On 15 June 2007, the General Assembly adopted a resolution establishing the International Day of Non-Violence to spread the message of non-violence including education and public awareness.



WORLD HABITAT DAY

World Habitat Day is observed on the **first Monday of October** month throughout the world. It was declared by the United Nations General Assembly in December 1985 and in 1986, the first time it was celebrated across the globe.



World Animal Welfare Day is celebrated on **4th October** to raise awareness among people about taking actions worldwide for the rights of animals as well as welfare.

WORLD TEACHER'S DAY



World Teachers' Day is celebrated on **5th October** every year in the whole world to commemorate the anniversary of the adoption of the ILO/UNESCO recommendation concerning the Status of Teachers regarding the rights and responsibilities of teachers, education, recruitment, employment, etc.

INDIAN AIRFORCE DAY



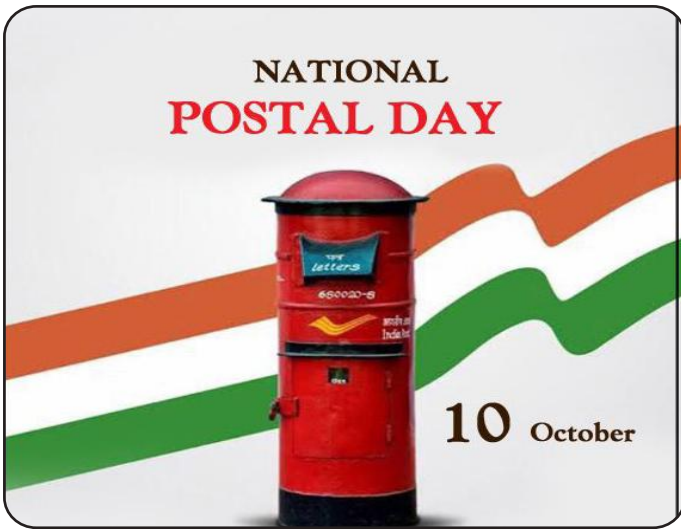
Indian Air Force Day is celebrated on **8th October** all over India. On 8 October 1932, Indian Air Force Day was established.

World Mental Health Day

World Federation for Mental Health (WFMH) is a non-governmental organisation founded in 1948.



World Mental Health Day is observed on **10th October** every year to raise awareness about the scale of suicide around the world and the role that each of us can play in preventing it.



Every year **October 10th** is observed as **National Post Day** in India. It is observed to recognize the role played by the Indian Postal Department for more than 150 years. The British brought postal service to India. Lord Dalhousie established it in 1854. It is currently the most commonly used postal system in the world and is run by the Ministry of Communications.



International Day of the Girl Child is observed on **11th October** to raise voices for girls and stand up for their rights.



International Day for Natural Disaster Reduction is observed annually on **13th October** to raise awareness about the risk of disaster reduction. In 1989, the International Day of Disaster Risk Reduction was started by the United Nations General Assembly.



World Standards Day is observed on **14th October** every year to raise awareness among regulators, industry, and consumers to show the importance of standardization to the global economy.



World Students' Day is observed on **15th October** annually to mark the birth anniversary of A.P.J. Abdul Kalam. This day honours and pays respect to him and his efforts in the field of science and technology and also the role of the teacher that he played throughout his scientific and political careers.



Global Handwashing Day is observed on **15th October** every year and it was founded by the Global Handwashing Partnership. This day provides an opportunity to design, test and replicate creative ways to encourage people to wash their hands with soap at critical times.



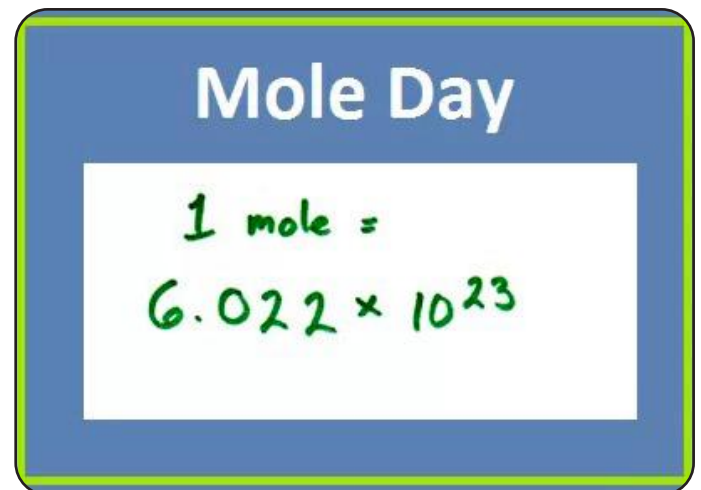
World Food Day is celebrated every year on **16th October** to inspire people about healthy diets. On this day Food and Agriculture Organisation was established and launched by the United Nations in 1945.



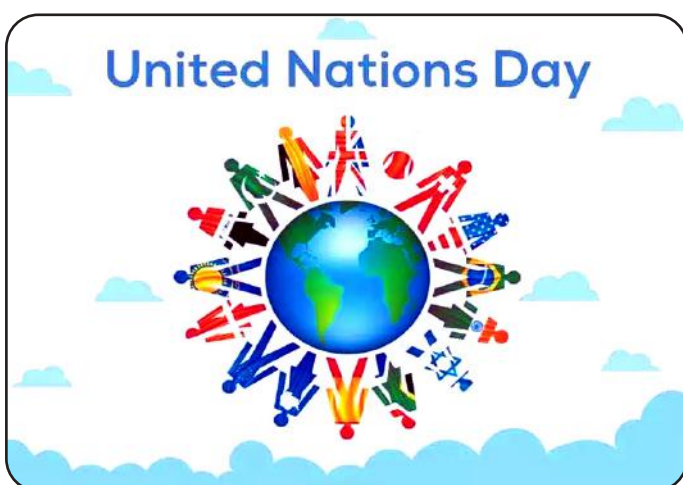
World Statistics Day is celebrated every five years on **October 20th**. The first such day was observed on October 20, 2010. This year the world witnessed the third World Statistics Day. The day was created by the United Nations Statistical Commission to acknowledge the importance of data authenticity and credibility across the globe.



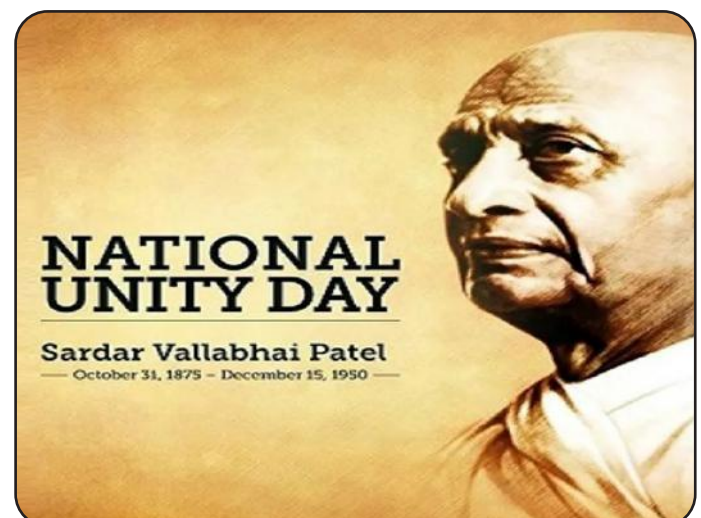
Police Commemoration Day is observed on **21st October** to honour police officials who have made the supreme sacrifice in the line of duty.



Mole Day is observed on **23rd October** every year. This day commemorates Avogadro's Number which is a basic measuring unit in chemistry. This day was created to generate interest in chemistry.



United Nations Day is observed on **24th October** every year to mark the anniversary of the UN Charter's entry into force. Since 1948, this day has been celebrated and in 1971 it was recommended by the United Nations General Assembly to be observed by the Member States as a public holiday.



Rashtriya Ekta Diwas or **National Unity Day** is observed on **31st October** every year to commemorate the birth anniversary of Sardar Vallabhai Patel. He had played an important role in unifying the country.

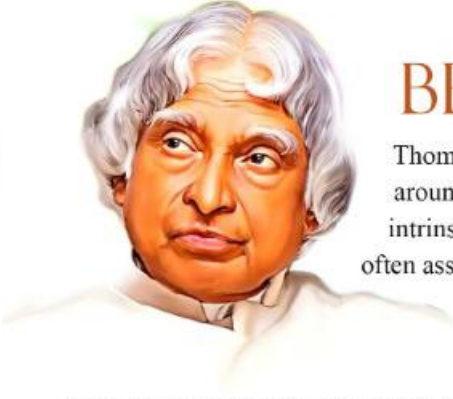


APSCHE

Andhra Pradesh State Council of Higher Education



From the
Chairman's Desk



BE HUMBLE

Thomas Merton said, "Pride makes us artificial and humility makes us real". In running around the picture-perfect glitzy and mundane lifestyles, everyone is forgetting one of the intrinsic values of being human i.e. the act of being humble. In the pursuit of excellence, we often associate humbleness with low-esteem or sign of weakness. However, there is a thin line of difference between being humble and low-esteem. Low-esteem is the feeling of being cynical of oneself and constantly living under the pressure of letting down others' expectations. On the other hand, humbleness can be described as the ability to view oneself accurately as an individual equally accepting the talents as well as flaws while being void of arrogance and low-esteem.

When we observe the life stories of legendary people, there is a common thread that runs through their lives apart from sheer perseverance i.e. humbleness. This hidden gem helped them to rise and remain in the limelight. One such personality who shined through humbleness is our beloved ex-president of India Dr. A. P. J. Abdul Kalam. Once he was invited as the chief guest to the convocation ceremony at IIT, Varanasi. Five chairs were placed on the stage, the middle one being for Dr. Kalam and the rest for university officials. When Dr. Kalam noticed that his chair was bigger in size than the others, he refused to sit on it and politely asked the Vice-Chancellor to sit instead. While Vice-Chancellor also refused to sit on the chair, Dr. Kalam requested the organizers to provide the chair of the same size to everyone. When he was questioned by the reporters about the act he replied, that "every chief guest is equal, no one is greater than others". The small gestures like these speak heaps and bounds about his humbleness.

My dear students, as C. S. Lewis said, "The act of being humble is not thinking less of yourself, but thinking of yourself less". It is not a sign of weakness but it is a sign of strength. It requires you to muster a lot of courage to accept your fault line as well as accept your strength. The act of working on your weakness doesn't make you less human but it makes you a self-aware human being. This may raise a question in your mind that being humble means, "do we have the liberty to express, confront and stand on our viewpoint?" Yes, you have the liberty to stand up for your viewpoint by respecting the others point of view. The act of being humble will help you to broaden your perception of the world and aid in developing real connections with people. If you wish to develop the act of being humble, there is no magic potion to it; you need to lead life with sense of mindfulness. Like any other human value, the act of being humble can't be checked through scales. However, you have imbibed it or not can be felt through the trail your personality leaves in daily interactions with people. Believe in the power of humbleness and practice it, trust me it will unlock the unimaginable doors in the life while promoting secure life.

You'll stumble if you aren't humble.



నమంతి ఫలినో వృక్షాః
నమంతి గుణినో జనాః
శుష్క కాష్ఠంచ మూర్ఘశ్చ
న నమంతి కదాచన

(ఫలాలతో నిండిన వృక్షాలూ, గుణవంతులైన జ్ఞానులూ ఎప్పుడూ వంగి వినవ్రుతతో ఒదిగి ఉంటారు. శుష్కించి ఎండిపోయిన చెట్లూ, మూర్ఘలూ గర్వంతో నిటారుగా నిలబడుతారు)

Prof. K. Hemachandra Reddy
Chairman, APSCHE



13.10.2023 - Result Declaration of B.Tech Examinations @ JNTUA CEA, Ananthapuramu.



Hon'ble Vice Chancellor and Registrar attending the all Vice Chancellors' meeting on 17.10.2023 regarding recruitment notifications.



21.10.2023 - Durga Pooja @ JNTUA



21.10.2023 - Inauguration of Lift by Hon'ble Vice Chancellor @ JNTUA Administration Building.



31.10.2023 - Felicitation of Sri Raghava Reddy on his Retirement Day

**KHADI MAHOTSAV CELEBRATIONS @ JNTUA CE ANANTHAPURAMU
A PICTORIAL GALLERY 21-10-2023**



Tech Ananth

**JAWAHARLAL NEHRU TECHNOLOGICAL
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