

# TECH ANANTH

... infinite technology

Volume 3 Issue V

JNTUA NEWS P8&11



National Heroes

**Mahatma Jyotirao Phule,**  
**Babasaheb B.R. Ambedkar,**  
**Babu Jagjivan Ram Jayanthi** Celebrations  
@ JNTUA, Ananthapuramu

JNTUA CEA NEWS P10

**Alumni (1963-68), donate  
Steam Boiler for Shilpa  
Hostel Kitchen**

JNTUA CEA NEWS P13

**Special Camp for Heart  
Health Checkup by  
NSS Unit III JNTUA CEA**

**JNTUA RECEIVES PRESTIGIOUS NAAC CERTIFICATE**



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# Engineering Empathy: Crafting a Better Tomorrow

*Bridging Technology with Compassion for a Sustainable Future*

- Dr E Keshava Reddy

**E**ngineering plays a crucial role in shaping society, as it is deeply intertwined with virtually every aspect of our lives. From the buildings we live into the technology we use daily, engineers are the architects of modern civilization. However, the responsibilities of engineers extend far beyond mere technical expertise; they carry a profound duty to serve society ethically and responsibly.



One of the key challenges facing engineers today is the need to address pressing global issues, such as climate change, resource depletion, and urbanisation. These complex problems require interdisciplinary approaches and innovative thinking to develop effective solutions. Engineers have a unique opportunity to lead the way in tackling these challenges by harnessing their technical expertise and creativity to create positive change.

Furthermore, the rapid pace of technological advancement presents both opportunities and challenges for society. While new technologies hold the potential to revolutionise industries and improve lives, they also raise ethical questions about their impact on privacy, security, and employment. Engineers must navigate these ethical dilemmas carefully, balancing innovation with social responsibility to ensure that technology serves the greater good.



Few real-life scenarios and examples that illustrate the principles of engineering for society:

**Access to Clean Water** Scenario: In many parts of the world, access to clean drinking water is a pressing issue, leading to health problems and even fatalities. Example: Engineers working with communities to design and implement water purification systems using locally available resources, such as solar-powered distillation units or low-cost filtration



One of the fundamental principles of engineering is to solve problems and improve the quality of life for people. This principle underscores the importance of considering the societal implications of engineering projects. Engineers must not only focus on technical solutions but also take into account the broader social, cultural, and environmental contexts in which their work operates.

Social responsibility in engineering encompasses a range of considerations, including ethical conduct, sustainability, and equity. Engineers must adhere to codes of ethics that prioritize integrity, honesty, and respect for human welfare. They must also consider the long-term environmental impact of their projects and strive to develop sustainable solutions that minimize harm to the planet.

Moreover, engineers have a responsibility to promote equity and social justice through their work. This entails ensuring that engineering solutions are accessible and beneficial to all members of society, regardless of their background or socioeconomic status. Engineers should actively engage with diverse communities to understand their needs and priorities and involve them in the design and implementation of projects.

systems. These initiatives not only provide clean water but also empower communities to sustainably manage their water resources.

### Renewable Energy Implementation

Scenario: With the increasing threat of climate change, transitioning to renewable energy sources is crucial for reducing carbon emissions and mitigating environmental damage. Example:

Engineers designing and deploying solar and wind energy systems in rural areas to provide electricity to off-grid communities. These projects not only reduce reliance on fossil fuels but also stimulate economic development and improve quality of life by providing reliable and affordable energy access.



### Accessible Transportation

Scenario: In urban areas, transportation infrastructure often fails to meet the needs of all residents, leading to congestion, pollution, and inequitable access to mobility. Example: Civil engineers designing and implementing public transportation systems that are accessible to people with disabilities, such as low-floor buses and wheelchair-friendly train stations. By prioritizing inclusivity in transportation planning, engineers can ensure that everyone has equal access to essential services and opportunities.

### Disaster Resilience and Preparedness

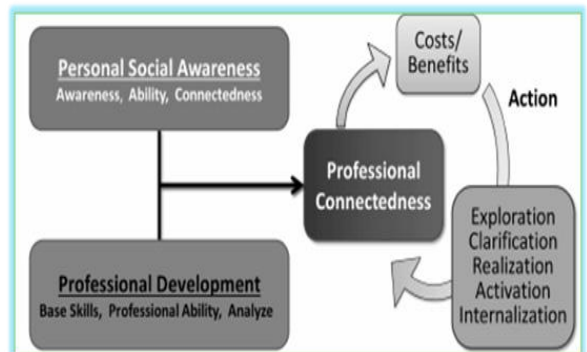
Scenario: Natural disasters, such as earthquakes, hurricanes, and floods, pose significant risks to communities worldwide, causing widespread destruction and loss of life. Example: Structural engineers designing earthquake-resistant buildings and infrastructure in seismically active regions, incorporating innovative materials and construction techniques to enhance resilience. Additionally, civil engineers develop early warning systems and evacuation plans to help communities prepare for and respond to natural disasters effectively, minimizing casualties and damage.



### Technological Innovation for Social Impact

Scenario: Technological advancements, such as artificial intelligence and biotechnology, have the potential to revolutionize industries and address complex societal challenges. Example: Engineers collaborating with healthcare professionals to develop affordable medical devices, such as portable diagnostic tools and prosthetics, that improve access to healthcare in underserved communities. By leveraging cutting-edge technology for social impact, engineers can address healthcare disparities and enhance overall well-being.

These examples demonstrate how engineers can apply their expertise to address real-world problems and make a positive difference in society. By prioritizing ethics, sustainability, and equity in their projects, engineers can contribute to building a more just, inclusive, and sustainable world for future generations. Teaching the principles of engineering for society to students involves more than just incorporating them into the curriculum; it requires a multifaceted approach that emphasizes experiential learning, interdisciplinary collaboration, and community engagement. Here are some additional ways to teach these principles to students:



### Experiential Learning Projects

Engage students in hands-on projects that address real-world challenges, such as designing sustainable infrastructure, developing assistive technologies, or implementing renewable energy systems. These projects allow students to apply engineering principles in practical contexts while fostering creativity, critical thinking, and problem-solving skills.

### Service-Learning Opportunities

Partner with local organizations, non-profits, and community groups to create service-learning opportunities for students. This could involve volunteering on engineering projects that benefit the community, such as building affordable housing, improving infrastructure in underserved areas, or conducting environmental assessments.



### Interdisciplinary Collaboration

Encourage interdisciplinary collaboration by involving students from different academic backgrounds in engineering projects. This could include collaborating with students from fields such as public health, sociology, anthropology, and economics to gain diverse perspectives and develop holistic solutions to complex societal problems.



### Field Trips and Site Visits

Organize field trips and site visits to engineering projects and facilities that exemplify the principles of engineering for society. This could include visiting sustainable buildings, renewable energy installations, water treatment plants, or disaster resilience initiatives to provide students with firsthand exposure to innovative engineering solutions.



### Ethics and Professional Development Workshops

Offer workshops and seminars on engineering ethics, professional responsibility, and social justice issues. These sessions can help students develop a deeper understanding of their ethical obligations as engineers and equip them with the skills and knowledge needed to navigate ethical dilemmas in their careers.

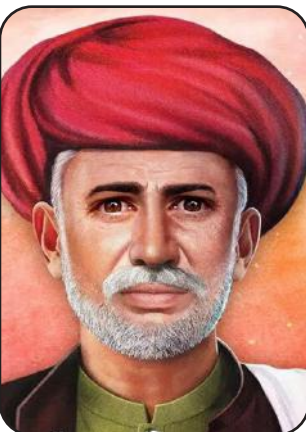
### CONCLUSION

In conclusion, engineering for society is not just a professional obligation; it is a moral imperative. Engineers have the power to shape the world for the better, but with that power comes great responsibility. By prioritizing ethics, sustainability, and equity in their work, engineers can contribute to a more just, inclusive, and sustainable future for all.

### About the Author



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



**“Knowledge without action is useless and action without knowledge is futile.”**  
**- Mahatma Jyotirao Phule.**

## National Level Students Technical Symposium

**E - Merge 24**

Organized by

Department of Electronics and Communication Engineering, JNTUA CEA Ananthapuramu.

**Inaugural Function at 9:00 AM**

The inaugural session of **E-Merge 24**, the National Level Students Technical Symposium organized by the Department of Electronics and Communication Engineering at JNTUA College of Engineering, Ananthapuramu, commenced with great enthusiasm.

At 9:30 AM inaugural function, presided by the principal of the college, Prof. S.V. Satyanarayana through his presidential address he kindled the minds of students with knowledge and power. The innovations, creativity and ability of students were driven out by the motivational address by the chief guest Prof. G.V.R. Srinivasa Rao Hon'ble Vice Chancellor of JNTUA.

The event brought students from the various colleges to participate in a series of challenging competitions. the guest of honour Mr. Manohar Chenekala, senior engineer leader at ZF Commercial Vehicle Solutions Ltd, Hyderabad. He inspired the participants with his insightful words. Dr. G. Mamatha head of the department of ECE & convener of the event addressed the events and encouraged the participants for their active participation. The event brought students from the various colleges to participate in a series of challenging competitions.

**Poster presentation at 10:00 AM**

Poster presentation segment allowed participants to visually communicate their research findings, methodologies, design concepts, technical solutions. Judges assessed the clarity of presentation, visual appeal, depth of content, outcomes through concise and informative posters.

30 students registered for this event and all the registered students are participated in this event. Each poster served as a condensed version of the project, capturing the essence of the research in a visually appealing format.

The symposium not only celebrated academic achievement but also encouraged creative thinking, teamwork, new technologies and researches.

Based upon the key highlights of the poster presentation the winners were declared by the judges Mr. Ravi Chandra and Mr. Kullayappa.

**Project Expo at 11:00 AM**

The Project Expo provided participants with the opportunity to present their tangible demonstrations and pro-

to types, highlighting the practical applications of their ideas. Each project was meticulously set up at designated booths, allowing attendees to interact with the exhibits and gain insights into the technical aspects and functionalities.

11 groups registered for this event each group with 6 members and all registered groups participated in this event.

Participants enthusiastically explained their projects, demonstrating their understanding of the underlying concepts and the significance of their work in addressing real-world challenges.

Key aspects of the Project Expo are project demonstration, technical details, innovation and creativity based upon key aspects. The winners are declared by the judges Mr. C. Manohar and Mr. Karthik.

**Circuit Hunt at 2:00 PM**

After the lunch break the afternoon session was started with circuit hunt competition.

15 students registered and all registered students participated in this competition.

Participants demonstrated their proficiency in designing, simulating, and implementing circuits to address specific challenges or functionalities, presenting their solutions in a competitive environment.

Circuit designs were evaluated based on various criteria, including functionality, performance, innovation, design complexity, and adherence to specifications.

Judges assessed the technical merit, originality, and practicality of each design, considering both theoretical and practical aspects. Based upon all the above aspects the circuit hunt winners were declared by the Judges Dr. G. Mamatha, Mr. C. Manohar & Mr. Kullayappa.

**Coding competition at 3:00 PM**

After the successful completion of circuit hunt competition, the coding competition was started with 38 registrations and all the registered students actively participated.

Participants were provided with a platform to showcase their programming skills, problem-solving abilities, and algorithmic expertise in a competitive setting. Participants engaged in a series of coding challenges, ranging from algorithmic puzzles to real-world problem state

ments, demonstrating their proficiency in various programming languages and paradigms.

Participants submissions were evaluated by the judges based on correctness, efficiency, elegance, and adherence to coding standards. Judges Dr. G. Mamatha, Mr. Karthik & Mr. Ravi Chandra assessed the quality of code, algorithmic complexity, and optimization techniques employed, determining participants' rankings based on their performance across multiple challenges.

### Technical Quiz At 3:45 PM

The quiz encompassed a wide range of topics, spanning from fundamental principles to advanced technologies, challenging participants to demonstrate their expertise through a series of thought-provoking questions.

20 groups registered for this competition and 60 students actively participated in this quiz competition.

The Technical Quiz served as a valuable learning experience for participants, allowing them to expand their knowledge, identify areas for further study, and learn from their peers' insights and perspectives.

Participants benefited from exposure to a diverse range of technical topics and gained a deeper understanding of core concepts and emerging trends in electronics and communication engineering.

After the completion of the quiz, the winners were declared by the judges Prof. M.N. Giri Prasad & Mr. C. Manohar.

### Prize Distribution and Validictory function at 4:30 PM

The event served as a platform to recognize and celebrate the outstanding achievements of participants, volunteers, and organizers who contributed to the success of the symposium.

The function commenced with the recognition and felicitation of winners and runners-up across various competitions, including the Project Expo, Poster Presentation, Circuit Design Competition, Coding Competition, Technical Quiz, and Workshops. Winners were awarded prizes, certificates, and accolades in acknowledgment of their exemplary performance and contributions to the symposium.

Dignitaries, faculty members, and guest speakers delivered inspiring speeches, offering words of encouragement, motivation, and wisdom to the participants.

The function acknowledged the invaluable contributions of volunteers, faculty members, and staff who worked tirelessly behind the scenes to ensure the smooth execution of the symposium.

Volunteers were recognized for their commitment, dedication, and selfless service in organizing and managing various events, workshops, and logistics throughout the symposium.

Participants shared there feedback for the E-Merge '24 and finally the Participants were encouraged to carry forward the spirit of E-Merge '24 and continue to strive for excellence, innovation, and camaraderie in their academic and professional pursuits.





## JNTUA remembers Babu Jagjivan Ram on his 117<sup>th</sup> Birth Anniversary

Date: 05-04-2024

**D**r. Babu Jagjivan Ram 117<sup>th</sup> birth anniversary was celebrated at the administration building of JNT University Anantapur on **5<sup>th</sup> April 2024 (Friday)**. Prof. G.V.R. Srinivasa Rao, Rector Prof. M. Vijay Kumar and Registrar Prof. C. Sashidhar, along with University Directors, Officers and staff paid floral tributes to the portrait of Dr. Babu Jagjivan Ram. On this occasion, Vice Chancellor said that Babu Jagjivan Ram was a freedom fighter, social reformer and a great people leader, played

key role in the development of the country. He was the youngest minister in the first union cabinet of the country. Dr. Babu Jagjivan Ram served as Central Minister and Deputy Prime Minister of India and is popularly known as 'Babuji'. He was a precious gem of India. Vice Chancellor said that everyone should walk in the footsteps of Dr. Babu Jagjivan Ram and adopt his unique personality and righteousness.



## JNTUA pays Tribute to Jyotirao Phule: A great son of India

Date: 11-04-2024

**M**ahatma Jyotirao Phule Jayanthi 197<sup>th</sup> Birthday was celebrated on **11<sup>th</sup> April 2024 (Thursday)** at the administration building of JNTU Anantapur. Prof G.V.R. Srinivasa Rao, Rector M. Vijaya Kumar, along with University Directors, officers and staff paid homage. On this occasion, Vice Chancellor said that Jyotirao Phule was a social reformer, a great man who

fought for the equality and development of women in rural areas of India. He was a leader who paid attention to women's education. He launched Satyashodhaka Samaj to focus on rights of depressed groups. Vice Chancellor said that this generation needs to be informed of aspirations of Mahatma Jyotirao Phule.





## Invited Talk (Virtual) by Alumnus

# Direction of Industry 4.0: Opportunities for Chemical Engineers

Organized by Department of Chemical Engineering, JNTUA CEA, Ananthapuramu  
Under Indian Institute of Chemical Engineers (IIChE) Local Chapter  
Venue: Seminar Hall of Chemical Engineering Department

Date: 06-04-2024

The event was started at 9.00 AM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. Dr. M. Jaipal has given overview of Industry 4.0 and its directions for creating opportunities to Chemical Engineers.

The speakers joined in the session are Dr. Jaipal, Dr. Sadanandam, Dr. Vallabha and Dr. Jayaram from IIT Ropar. Industry 4.0 also called the Fourth Industrial Revolution or 4IR—is the next phase in the digitization of the manufacturing sector, driven by disruptive trends including the rise of data and connectivity, analytics, human-machine interaction, and improvements in robotics.

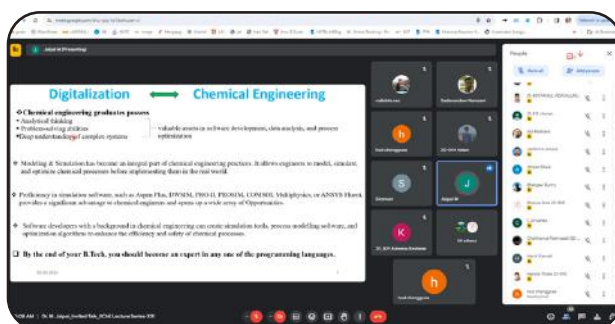
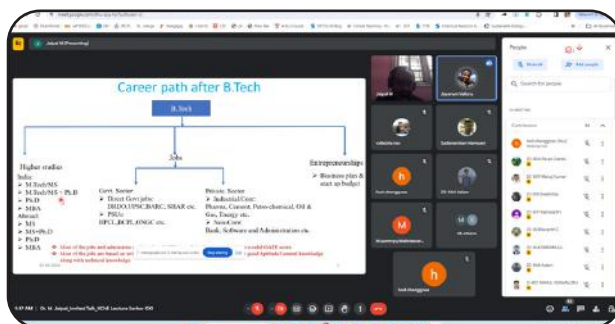
Steam propelled the original Industrial Revolution; electricity powered the second; preliminary automation and machinery engineered the third; and cyberphysical systems—or intelligent computers—are shaping the Fourth Industrial Revolution.

Before 2014, the Google search term “Industry 4.0” was practically non-existent, but by 2019, 68 percent of respondents to a McKinsey global survey regarded Industry 4.0 as a top strategic priority. Seventy percent said their companies were already piloting or deploying new technology.

4IR builds on the inventions of the Third Industrial Revolution—or digital revolution—which unfolded from the 1950s and to the early 2000s and brought us computers, other kinds of electronics, the Internet, and much more. Industry 4.0 brings these inventions beyond the previous realm of possibility with four foundational types of disruptive technologies (examples below) that can be applied all along the value chain: connectivity, data, and computational power: cloud technology, the In-

ternet, block chain, sensors analytics and intelligence: advanced analytics, machine learning, artificial intelligence, human-machine interaction: virtual reality (VR) and augmented reality (AR), robotics and automation, autonomous guided vehicles, advanced engineering: additive manufacturing (such as, 3-D printing), renewable energy, nano particles.

The program is closed at 10.30 AM. Valedictory remarks given by HOD at the end of the session and a great round of applause has given to Dr. M. Jaipal, Dr. Jayaram, Dr. Sadanandam and Dr. Vallabha, for his outstanding and potential and impressive talk which inspired many young students towards higher education & career prospectus in India and abroad.



## About the Speaker



**Dr. M. Jaipal** did his B. Tech from JNTUA CEA in the year 2010. He obtained his Masters degree in Chemical Engineering from IIT Kanpur and Ph.D from IIT Bombay. He was top-per in the class of 60 Students. After his PhD, he worked in various organizations in different capacities. At present, he is serving as Senior Staff Engineer, Applied Materials, Bangalore, Karnataka

## Alumni (1963-68), College of Engineering Ananthapuramu donate Steam Boiler for Shilpa Hostel Kitchen

**Date: 09-04-2024**

**S**team Boiler installation programme was organized on very auspicious day Ugadi on **9<sup>th</sup> April 2024** in Shilpa Hostel. This program was organized by Hostel office, JNTUA College of Engineering Hostels, Anantapur on 9<sup>th</sup> April 2024 at 8.15 AM in Shilpa Hostel. The main purpose was to assist the cooking with steam rather than conventional heating methods which requires more time and cost. Hon'ble Vice Chancellor Prof. G. V. R. Srinivasa Rao was invited to be the chief guest of this event. **The steam boiler for Shilpa Hostel costing around 5 Lakhs was donated by 1963-1968 Alumni batch.** Sri Chiranjeevi of 1963 Batch Alumni has taken initiation of collecting the amount from all batch mates of 1963 batch and taken lot of pains in arranging the boiler to Shilpa hostel. The boiler was purchased from M/s Deepam Boiler Company, Coimbatore and engineers from Coimbatore came for installation on 9<sup>th</sup> April 2024. Other people who were present on that day are Prof. C. Sashidhar, Registrar of the University, Prof. S. V. Satyanarayana, Principal of the College, Prof.K. Madhavi, incharge of Shilpa Hostel, Prof. B. Dilip Kumar, Deputy Warden of Hampi Hostel, Prof. V. Sankar, Adjunct Professor of EEE and Dr. Ramasekhara Reddy, PRO, JNTUA. The Hon'ble Vice Chancellor, Prof. G. V. R. Srinivasa Rao started the new Boiler in Shilpa Hostel at 10 AM. The inmates of Shilpa hostel were also present during the installation. Sri C. Chiranjeevi interacted with Mechanical

Engineering students for more than half an hour and discussed various aspects of Mechanical Engineering core issues and opportunities. Hon'ble Vice Chancellor, Registrar, and Principal of the college appreciated 1963-68 Alumni batch for their initiation in donating the boiler to Shilpa hostel. They praised the enthusiastic involvement of 1963-1968 Alumni batch for their concern on *Alma Mater*.

After installation, all the officials moved to Ellora Hostel and inspected the chamber for renovating the existing steam boiler. Sri C. Chiranjeevi told that all the repair costs for installation and repair of Steam Boiler at Ellora hostel will be borne by 1963-68 batch. Further, he promised to visit one more time to Anantapur for inspecting the repair and other pending works at Ellora Hostel. The program ended at 11.30 AM with snacks arranged by Hostel Office.



## CONTRIBUTION OF ARTICLES TO TECH ANANTH

The members of the JNTUA fraternity all students, faculty and alumni are requested to contribute for publication in the monthly illustrated online 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 from alumni, articles on Science and Technology which induce technical and scientific thinking in the readers. Members contributing articles shall give their full details such as Name, Designation, College, and Department with mobile number and email ID for correspondence.

**Editorial Team**

**emagazine@jntua.ac.in**



## Babasaheb Dr. B.R. Ambedkar 134<sup>th</sup> Birth Anniversary Celebrated

Date: 14-04-2024

JNTU Anantapur celebrated Dr. B.R. Ambedkar Jayanti on **14<sup>th</sup> April 2024** (Sunday) in the administration building. Vice Chancellor Prof. G.V.R. Srinivasa Rao, Rector Prof. M.Vijaya Kumar, Registrar Prof. C. Sashidhar, Directors, Officers and support staff of the University paid floral tributes to the portrait of Dr. B.R. Ambedkar. Speaking on this occasion, Vice Chancellor said that Dr. B.R. Ambedkar is an economist, a jurist, a politician, a freedom fighter and maker of the Indian Constitution. He is a great man who resides in the heart of every Indian. Ambedkar is a warrior who opposed

untouchability and fought for the rights of dalits, women and workers. Dr. B.R. Ambedkar ensured that Indian constitution gave equal justice and protected the rights of all communities, religions, castes, tribes, dalits, hill people and backward castes. Later the meeting was addressed by the Registrar Prof. C. Sashidhar who spoke about the greatness of Dr. B.R. Ambedkar and the need for everyone to walk in the footsteps of Dr. B.R. Ambedkar. The meeting also was attended by the teaching and non-teaching staff from the constituent units of Ananthapuramu.



## JNTUA CEA Ananthapuramu Commemorates Annual College and Sports Day

Date: 19-04-2024

JNTU College of Engineering Ananthapuramu, the constituent college of JNTU Anantapur celebrated the annual **College and Sports Day** on **19<sup>th</sup> April 2024 (Friday)**. Rector Prof. M. Vijaya Kumar attended the celebrations as Chief Guest and inaugurated the program by lighting the traditional lamp along with other dignitaries on the dais. Speaking on the occasion he said that the college has a great history and many students from this college reached high positions. He asked students to aspire and work for attaining higher positions. He also gave credit and applauded the role of students, faculty and alumni in the development of the college. The program was attended by Registrar Prof. C. Sashidhar, who was the guest of honor. College Principal Prof. S.V. Satyanarayanapresided over the event and spoke about the various developmental programs and achievements of students and staff that have taken place at the college in the last one year. The toppers from all branches in aca-

demics and winners of sports from students, teaching and non-teaching staff were handed over certificates by the chief guest and the guest of honor. Vice Principal Prof. E. Arunakanthi, Sri Joji Reddy Sports Council Secretary, Directors from the University, Officers of the college, Heads of various Departments, teaching, non-teaching staff and students participated in the celebrations.



## Invited Talk (Virtual) by Alumnus

# Opportunities for Chemical Engineers in India and Abroad

Organized by Department of Chemical Engineering, JNTUA CEA, Ananthapuramu  
Under Indian Institute of Chemical Engineers (IChE) Local Chapter  
Venue: Seminar Hall, Chemical Engineering Department

Date: 20-04-2024

The event was started at 9.00 AM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. Mr. Aditya Kiran Srikakulapulu has given overview of Industry 4.0 and its directions for creating opportunities to Chemical Engineers. Mr. Kalyan Kumar, Associate Professor, Department of Chemical Engineering has interacted with resource person for longer duration. So many queries were answered and lot of discussion were went on career prospectus of Chemical Engineers in India and Abroad. Aditya Kiran spoke about Chemical Engineering as follows:

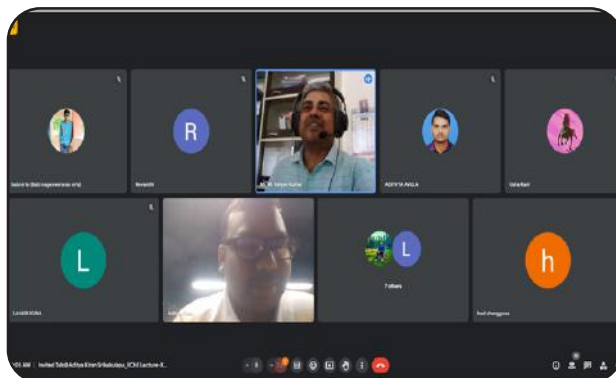
Chemical Engineering is a lucrative career option, with extensive job opportunities available across various sectors of the economy. Candidates who wish to establish a career as a Chemical Engineer in domains such as Petrochemicals or Pharmaceuticals Industry can choose this course. To work in top private companies or public sector undertaking, candidates must possess BTech in Chemical Engineering from a recognised university. Many recruitment processes seek candidates with at least 1-3 years of experience in the relevant field.

One of the major outcomes of this course is to equip learners with the knowledge of various sub-disciplines such as science, engineering and mathematics in order to solve complex engineering problems. Other outcomes of this course includes:

- Formulate and review important research literature and identify complex engineering problems and suggest solutions by applying principles of natural and engineering sciences.

- Suggest and design processes implementing chemical engineering fundamentals to solve biotechnological problems and health issues.
- Apply research methods and skills to interpret data and reach to valid conclusions.
- Assess health, legal, safety issues and suggest measures in order to maintain ethical standards in chemical industry.
- Encourage innovation amongst learners and promote scientific temperament and research skills, therefore contributing to research organisations and chemical industries.

Lastly, he spoke about job satisfaction and commitment towards work. He narrated the differences for an incumbent to an industry what he learn, work and implement towards better growth of the organization. The program is closed at 10.15 AM. Valedictory remarks given by HOD at the end of the session and a great round of applause has given to Mr. Aditya Kiran Srikakulapu for his outstanding and potential and impressive talk which inspired many young students towards higher education & career prospectus in India and abroad.



## About the Speaker



**Mr. Aditya Kiran Srikakulapu** did his B. Tech from JNTUA CEA in the year 2012. He obtained his Masters degree in Chemical Engineering from NIT Trichy. He was topper in the class of 60 Students. He worked as Asceptic Process Compounder from May 2019 – Nov 2020 at Renaissance pharmaceuticals, New Jersey. At present he is working as Research Engineer at University of Maryland, College Park, USA from Nov 2020 to till date.



# Free Heart Health Checkup Camp

Organized jointly by

**NSS Unit - III JNTUA CEA and KIMS - Saveera Hospital, Ananthapuramu**  
*- A report by Dr. G. Mamatha, NSS Unit III Program Officer, JNTUA CEA.*



**Date: 23-04-2024**

**N**ational Service Scheme (NSS) Special Camp for 'Free Heart Health Checkup' was conducted by Jawaharlal Nehru Technological University College of Engineering Ananthapuramu on **23<sup>rd</sup> April 2024 (Tuesday)** at JNTUA College of Engineering Ananthapur District.

Inaugural Function at 9:00 AM:

The inaugural session of Free Heart Health checkup organized by JNTUA NSS UNIT-III at JNTUA College of Engineering Ananthapuramu commenced with great enthusiasm. Program has started by the prayer song by Ms. B.Sreelekha M.Tech I year and lighting of the lamp by the dignitaries on the dais.

At 9:30AM inaugural function, presided by the principal of the college, Prof. S.V. Satyanarayana through his presidential address he kindled the minds of students, teaching and nonteaching staff of JNTUA . After this an introductory report is given by program officer NSS Unit-III Dr.G.Mamatha.

The vice principal of the college Prof. E. Arunakanthi shared her ideas on maintaining the fitness and gave some suggestions to the students, teaching and nonteaching staff to overcome the stress by doing some exercises, yoga and meditation.

The Guest of Honor Dr. S. Bala Kishore, Cardiologist Saveera Hospital, Ananthapuramu gave complete awareness on the heart diseases. He clearly explained the scenario of heart diseases in youth, children, women and oldage people. He shared his experiences with people affected by the heart problems. He also suggested some methods to overcome the heart problems, like reducing the stress and maintaining healthy diet. He also cleared some doubts related to the heart problems asked by the teaching and nonteaching of JNTUA.

The Chief Guest Prof. G.V.R. Srinivasa Rao Vice chancellor of JNTUA University, also shared some important



points related to the health care and heart diseases.

The Registrar of University Prof. C. Sashidhar, gave some valuable information on maintaining good health.

Memento was presented by the Vice Chancellor of the University to the guest of honor Dr. S Bala Kishore. At 11 AM the inaugural function has completed by vote of thanks by Ms. K.Harini.

All the teaching and non teaching staff of JNTUA went to the checkup which was arranged at the dispensary of JNTUA. In the camp, proper medical treatment of JNTUA teaching and non teaching staff and people from nearby area was done and remedial measures were provided, all free of cost, including the basic medicines required for an early recovery.



Blood pressure (BP) and sugar check were performed on every patient. After that, they were sent to their respective doctors where they were appropriately given the right directions regarding their health.

The doctors carefully listened to the problems the patients were facing and provided an appropriate solution to curb it.

The teachers at the NSS camp helped in the successful completion of the camp by providing the doctors the required information about each patient.

For four patients the results were abnormal, the doctors referred them to go to the hospital and undergo the tests ECG and 2d Echo free of cost. At the end the results are normal.

The health counselling camp served the purpose of empowering the patients with enough information and awareness with regards to their health and problems confronted by them. All the participants shared their feedback on the free heart health checkup.

**Date: 25-04-2024**

**D**epartment of Electrical and Electronics Engineering (EEE) of JNTUA College of Engineering Ananthapuramu organized National Level Technical Symposium EYE 2K24 on **25<sup>th</sup> April 2024 (Thursday)**. The symposium was inaugurated by Hon'ble Vice-Chancellor Prof. G.V.R. Srinivasa Rao in the seminar hall of the EEE department. Speaking on the occasion, Prof. G.V.R. Srinivasa Rao said that the students can enhance their intellectual power by attending symposiums, efforts should be made to reduce electrical transmission losses and green energy is a priority. He said that students can share their knowledge in the symposium helping everyone to develop more knowledge with new ideas. Registrar Prof. C. Sashidhar said that such seminars bring out the talent of the students. He said that in the coming period, there will be significance in the areas of Electrical Vehicles and Renewable energy. Solar power is likely to grow further in the coming years. Souvenir Compact Disc (CD) of the symposium was released on the occasion. College Principal, Prof. S.V. Satyanaraya-

na presided over the function. Dr. Ramasekhara Reddy HoD EEE and Dr. M. Anka Rao are the coordinators for the symposium. Vice Principal Prof. E. Arunakanthi, Profs. P. Sujatha, R. Kiranmai, N. Vishali, Heads of various Departments Dr. K.F. Bharathi, Dr. Om Prakash, Dr. G. Mamatha, Dr. B. Dilip Kumar, Mrs. B. Ajitha, Adjunct Professor V. Sankar, and Student Coordinators Maharishi Vasishtha, E.V. Pooja Pranathi, A. Venkata Rami Reddy, teaching, non-teaching staff and students participated.



### Ancient India's Contribution to the World of Science, Technology Engineering & Mathematics



### Zinc Smelting by Distillation

*Ancient Zinc Smelting Furnaces of India*

- ◆ India was first to smelt zinc by distillation, an advanced technique derived from a long experience of ancient alchemy.
- ◆ Zawar in Tiri valley of Rajasthan is the world's first known ancient zinc smelting site.
- ◆ Zinc production by distillation technique goes back to the 12<sup>th</sup> Century AD and is an important contribution of India to the World of Science.

## Invited Talk (Virtual) by Alumnus

# Career Opportunities in Chemical Engineering: Special Focus on Higher Studies

Organized by Department of Chemical Engineering, JNTUA CEA, Ananthapuramu  
Under Indian Institute of Chemical Engineers (IIChE) Local Chapter  
Venue: Seminar Hall of Chemical Engineering Department

Date: 27-04-2024

The event was started at 9.00 AM sharp (Indian timings) with introductory remarks by Head of the Department, Prof. B. Dilip Kumar. Dr. Venu Babu Borugadda has given overview of Industry 4.0 and its directions for creating opportunities to Chemical Engineers. Prof. T. Bala Narsiah, Professor, Department of Chemical Engineering has introduced the resource person to all the audience and interacted with students for longer duration. So many queries were answered and lot of discussion were went on career prospectus of Chemical Engineers in Canada. Dr. Venu Babu spoke about Chemical Engineering as follows:

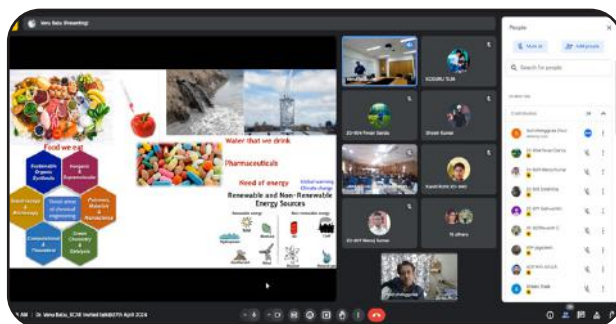
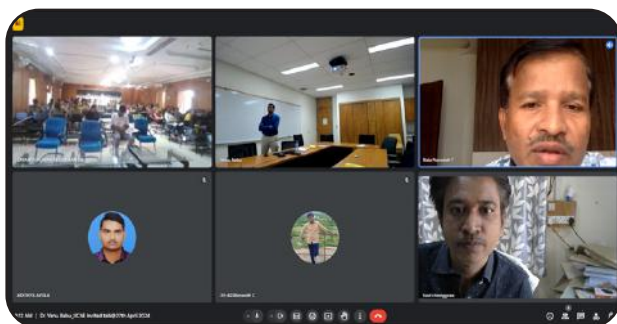
Many of the products we encounter in everyday life have chemical engineers behind them. Not only are ChemE's involved in manufacturing large quantities of fuels, plastics, and food ingredients, but they also develop new formulations for complex products such as pharmaceuticals and battery materials. What's more, ChemE's design manufacturing processes to use less energy, make products last longer, and move us toward a cleaner and more sustainable world.

## Chemical Engineers may do some or all of the following

- Research and develop or improve designs for factory chemical processes
- Research and develop new materials and procedures to make production processes more efficient
- Select materials and equipment to be used in factory processes
- Examine the effects of industrial processes on the environment
- Develop methods to control pollution
- Study the efficiency and cost of factories and associated equipment
- Prepare and present reports and proposals
- Manage technicians and operating staff.

## Skills and knowledge

Chemical engineers need to have knowledge of:  
process engineering  
chemistry, biochemistry and biotechnology  
environmental issues & maths and physics.



## About the Speaker



**Dr. Venu Babu Borugadda** is currently serving as the Manager for Research and Development at Tidewater Renewables Ltd. in Calgary, he plays a pivotal role in advancing the company's focus on producing low-carbon liquid (Renewable Diesel) and gaseous (Renewable Natural Gas - RNG) fuels. In addition to his role at Tidewater Renewables Ltd., Dr. Borugadda also works as a part-time research associate at the University of Saskatchewan's Department of Chemical and Biological Engineering, working in Professor Ajay K Dalai's research lab for mentoring the students working on these industrial projects. He received a Ph.D. degree from the prestigious Indian Institute of Technology, Guwahati, India, in 2016. He is an alumnus of the JNTU ATP 2005 - 2009 batch.

# KSRM College of Engineering KADAPA - 516 005.

## Events Organized during April 2024.

### ◆ Pitch fest at Anantapur

AIC-SKU, Anantapur conducted the pitch fest on **April, 06, 2024** at Anantapur. Two teams participated and presented their ideas in this fest.

### ◆ 'Ugadi' Celebrations

The festivity Committee of KSRMCE organized 'Sri Kro-dhi Nama Samvatsara Ugadi' celebrations in the Main Block Seminar Hall on **8<sup>th</sup> April 2024**. Dr. V.S.S Murthy, Principal graced the occasion. Faculty and students attended the programme and performed 'PUJA' in a traditional way. Sri. G. Veeresh, organized this event as the coordinator.

### ◆ Paid rich tributes to Dr.B.R.Ambedkar

KSRMCE NSS Unit paid rich tributes to Dr. B. R. Ambedkar on his 133<sup>rd</sup> Birth anniversary. Students garlanded the statue of Dr. B.R Ambedkar on **14<sup>th</sup> April, 2024** at R.T.C Circle in Kadapa. The students raised vociferous slogans "**JAI BHIM**" that filled the air. NSS programme officer J. Suresh Babu and students took part in the programme.

### ◆ Awareness programme on the Importance of Competitive Examinations

The Department of Civil Engineering in association with ICI Students Chapter KSRMCE has organized an awareness program on the "**Importance of Competitive Examinations and Career Opportunities in Civil Engineering**" on **18/04/2024**. Sri. V.R.D.M Kausik Agastya Raj, Faculty, ACE Engineering College, Hyderabad attended the programme as the resource person.

### ◆ Self-Improvement through KAIZEN

A Two-Day Faculty Development Program on "**Self-Improvement through KAIZEN**" was organized on **24 & 25 March 2024** for which Dr. P Y Naveen was the resource person and was coordinated by the Dean of Faculty Affairs in association with the Internal Quality Assurance Cell, KSRMCE(A). Around 180 teaching and 20 non-teaching staff of KSRMCE (A), KLMCEW, and KSRM College of PG studies have attended the program.

### ◆ World Intellectual Property Day

KSRMCE -IIC conducted "**World Intellectual Property Day**" on **26-04-2024**. World Intellectual Property Day is observed annually on 26 April. The event was established by the World Intellectual Property Organization in 2000 to "raise awareness of patents, copyright, trademarks..etc. The day is celebrated to make people aware of how intellectual property (IP) rights encourage innovation and creativity. This year, World IP Day puts innovation and supports the efforts to create a green future. It is a need to care for our earth and our home.

### ◆ Impact Lecture Series

KSRMCE -IIC conducted "**Impact Lecture Series**" on **26-04-2024**.The Impact Lecture Series was inaugurated by Dr. V.S.S. Murthy, Principal; Vice Principal Dr. T. Nageswara Prasad; Center for Innovation Incubation Research Dean Dr. K. Venkat Narayana and in the presence of guests and audience.

### ◆ International Dance Day Celebrations

The cultural committee of KSRMCE conducted International Dance day celebrations in the college on **29<sup>th</sup>, April 2024**. Students from all branches of II Sem participated in the event enthusiastically. The programme was held in the KOR Auditorium. Students showed good performance in the various dance activities.

### ◆ Art and Painting Exhibition

The Department of ECE and IETE-SF Organized an Art and Painting Exhibition on **29-04-2024** in the Seminar hall of the S.J Block. Students participated actively in this event. They brought out their hidden talents in drawing various pictures.

### ◆ Industry Institute Collaboration

KSRM College of Engineering Collaborates with CISCO Networking Academy for Certification Courses in Networking, Cyber Security, IOT and Programming.

### ◆ Students shine in MECHANO QUEST

Third-year Mechanical Engineering Students Mr. M. Rutwik Mani Kanth (229Y5A0330), Mr. K. Venkata Sai Kumar (229Y5A0323), Mr. G. Venkata Siva (229Y5A0320), and Mr. P. Lokchand Yadav (229Y5A0338) have participated and won first prize in the event of "MECHANO QUEST" Organized under the Two-Day National Level Technical Symposium "M'EXPLORE-2K24" By the Department of Mechanical Engineering, Sri Venkateswara University College of Engineering, SV University, Tirupati.



## News from University



1. A review meeting on APSICHE EDX program was conducted under the Chairmanship of Hon'ble Vice Chancellor on **01.04.2024**. The Registrar, Director of Academic & planning and concerned attended the meeting.
2. Hon'ble Vice Chancellor paid floral tributes to Sri Babu Jagjivan Ram on the occasion of his Birth Anniversary on **05.04.2024**. The Rector, Registrar, University Officials and staff attended the program.
3. Hon'ble Vice Chancellor paid floral tributes to Mahatma Jyothi Rao Phule s on the occasion of his Jayanti on **11.04.2024**. The Rector, Registrar, University Officials and staff attended the program.
4. Special Executive Council Meeting was held through virtual mode under the Chairmanship of Hon'ble Vice Chancellor on **12.04.2024** regarding Approval of Budget (Vote on Account). The Rector, Registrar and the EC members of JNTUA attended the meeting.
5. Hon'ble Vice Chancellor attended a meeting hosted by APSICHE on **12.04.2024** in virtual mode regarding progress of APSICHE EDX program. The Chairman, APSICHE addressed the meeting. The Rector, Registrar, Director of Academic & Planning attended the meeting.
6. Hon'ble Vice Chancellor paid floral tributes to Dr. B.R. Ambedkar on the occasion of his Birth anniversary on **14.04.2024**. The Rector, Registrar, University Officials and staff attended the program.
7. A second AP ECET committee meeting was convened under the Chairmanship of Hon'ble Vice Chancellor through virtual mode on **22.04.2024**. The Chairman, APSICHE; the Convener, Co-conveners of AP ECET attended the meeting.
8. A meeting with Board of Studies Chairpersons was held under the Chairmanship of Hon'ble Vice Chancellor on **24.04.2024**. The Rector, Director of Academic & Planning and Chairpersons of UG boards attended the meeting.
9. Hon'ble Vice Chancellor attended a meeting in connection with academic regulations for engineering disciplines offered by JNTUA, JNTUK and JNTUGV. The meeting was hosted by the Chairman, APSICHE on **26.04.2024**. The Vice Chancellors of JNTU Kakinada & JNTU Gurajada attended the meeting.
10. A meeting was held under the Chairmanship of Hon'ble Vice Chancellor on **29.04.2024** regarding Benchmarks set for NAAC accreditation. The Rector, Registrar, University Officials, Principals and Heads of the departments attended the meeting.
11. A meeting was held in virtual mode under the Chairmanship of Hon'ble Vice Chancellor on **29.04.2024** regarding ongoing cooperation between JNTUA & Blekinge Institute of Technology, Sweden in connection with release of notification for the academic year 2024-25 admissions. The Rector, The Registrar, DFA&AM, JNTUA; Principal, HODs of JNTUA CEA and officials of BTH, Sweden attended the meeting.
12. Hon'ble Vice Chancellor attended and participated in an interactive meeting with Vice Chancellor, Pro Vice Chancellors, Registrars of State Universities, which was hosted by UGC on **30.04.2024** in virtual mode. The Vice Chancellor, Pro Vice Chancellors, Registrars of the Universities participated in the meeting.

### Journal/Conference Publications

The faculty members of the University published 42 research papers and affiliated colleges have published 187 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. 1,99,556/-** through Industrial Consultancy Services.



# University Examinations Results



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

### 03.04.2024.

M.Pharmacy II Sem (R17) Supple. Exams, February 2024, M.Pharmacy II Sem (R21) Supple. Exams, February 2024, M.Pharmacy I Sem (R17) Supple. Exams, February 2024, M.Pharmacy I Sem (R21) Regular & Supple, B.Tech I Year II Sem (R15) (Last Chance) Supple. Exams, January 2024, B.Tech I Year II Sem (R15) Supple. Exams, January 2024, B.Tech I Year II Sem (R19) Supple. Exams, January 2024, B.Tech I Year II Sem (R20) Supple. Exams, January 2024, B.Tech I Year I Semester (R15) (Last Chance) Supple. Exams, January 2024, B.Tech I Year I Semester (R15) Supple. Exams, January 2024, B.Tech I Year I Semester (R19) Supple. Exams, January 2024, B.Tech I Year I Semester (R20) Supple. Exams, January 2024 and B.Tech I Year I Semester (R23) Regular Examinations, January 2024.

### 12.04.2024.

Pharm.D V Year (R17) Regular & Supple. Exams, March 2024, B.Pharm II Year II Semester (R15) Supple. Exams, February / March 2024, B.Pharm II Year II Semester (R19) Supple. Exams February / March 2024, B.Pharm II Year I Semester (R15) Supple. Exams, February / March 2024, B.Pharm II Year I Semester (R19) Regular & Supple. Exams, February / March 2024, Pharm.D (PB) III Year Regular (Internship) Results, January 2024.

### 16.04.2024.

M.Tech III Semester (R17) Supple. Exams, January 2024, M.Tech II Semester (R17) Supple. Exams, February 2024, M.Tech I Semester (R17) Supple. Exams, February 2024, M.Tech III Semester (R21) Regular & Supple. Exams, January 2024, M.Tech II Semester (R21) Supplementary Examinations, February 2024, M.Tech I Semester (R21) Regular & Supplementary Examinations, February 2024 and Pre. Ph.D Winter Session Examinations, December / January 2024.

## Ph.D Awarded List



**Ph.Ds Awarded:** The University has awarded Ph.D. to **08** research scholars during this month.

Discipline	Number of Ph.D's Awarded
Electrical and Electronics Engineering	02
Food Technology	01
English	01
Pharmacy	03
Physics	01
<b>TOTAL</b>	<b>08</b>

## News from Constituent Units



JNTUA CEA

1. JNTUA College of Engineering, Ananthapuramu conducted a Technical Workshop “Towards NET-ZERO Emissions” on **01.04.2024**. The faculty and students of the college participated in the program.
2. Hon’ble Vice Chancellor attended as a Chief Guest to inaugural function of Emerge 2K24, organized by the Department of ECE, JNTUA College of Engineering, Ananthapuramu on **04.04.2024**. The Principal, Heads of departments, staff and students attended the program.
3. Hon’ble Vice Chancellor attended as a Chief Guest to the Free Heart Health Checkup camp conducted by the NSS unit, JNTU CEA in association with KIMS – Saveera Hospital, Ananthapuramu at College Dispensary on **23.04.2024** followed by an awareness session.
4. Hon’ble Vice Chancellor attended as a Chief Guest to the event, Eye’ 2024 a National Level Students’ Technical Symposium, organized by the Department of EEE, JNTUA College of Engineering, Ananthapuramu on **25.04.2024**. The Registrar, Principal, Heads of the departments, staff and students attended the program.



JNTUA CEP

1. Hon’ble Vice Chancellor attended as a Chief Guest to the College Day celebrations of JNTUA College of Engineering Pulivendula on **01.04.2024**, which was held at respective college premises. The Principal, Staff and students attended the program.
2. JNTUA College of Engineering Pulivendula conducted AASHRAY 2K24 during **3 - 4 April 2024** to improve the different skills of the students.

## NCC/NSS/Service Programmes

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

1. Conducted a Free Heart Health Checkup in collaboration with KIMS Saveera Hospital on **22.04.2024**, Teaching and Non-Teaching Staff of the JNTUA participated in the program.
2. Young Voters Education awareness program conducted in S V College of Engineering, Kadapa on **01.04.2024**.
3. World Autism Awareness Day program conducted in Seven Hills College of pharmacy, Tirupati on **02.04.2024**.
4. Election Competition on “Role of Youth Voters in Shaping Democracy” at S V College of Engineering, Kadapa on **03.04.2024**.
5. Babu Jagajeevan Ram Birth Anniversary was celebrated by JNTUA and its Affiliated Colleges on **05.04.2024**.
6. World Health Day conducted at Santhiram College of Pharmacy on **06.04.2024**.
7. Mahatma Jyothi Rao Phule Jayanti was celebrated on **11.04.2024** by JNTUA & its affiliated colleges.
8. Dr B.R. Ambedkar Jayanthi celebrated on **14.04.2024** by JNTUA & its affiliated colleges.
9. Awareness program on Nutrition and Health care was conducted by Aditya College of Engineering on **15.04.2024**.
10. World Earth Day celebrated by Sapling Plantation in the colleges under JNTUA on **22.04.2024**.
11. Blood donation camp was conducted at JNTUA College of Engineering Kalikiri on **26.04.2024**, 100 students participated in the program

## News from Affiliated Colleges

One Day Workshop on Cardiopulmonary Resuscitation (CPR) at SV College of Pharmacy, Chittoor on **22.04.2024**, 225 Students and faculty of the college have participated in the program.

## “ Books / Book Chapters Published ”

1. **Dr. M. Ramasekhara Reddy** faculty of JNTUA College of Engineering Anantapur published a Book “Beyond Engineers: Electrical Drives Transforming Traction Landscapes” published by Scientific International Publishing House, ISBN: 978-93-5757-62-0.
2. **N. Madhava reddy, BL Niranjan reddy, G Sivanatha reddy, B Dileep Kumar Reddy and S Jyothirmayee** faculty of JNTUA College of Engineering, Pulivendula published a book “Basics of civil engineering” for engineering students on IIP Store, link: <https://store.iipbooks.com/book/basics-of-civil-engineering-for-engineering-students/>.

# Important National & International Days in April



'April Fools' Day' also known as **All Fools' Day** is celebrated for centuries but its origins are uncertain. According to some historians, it was first celebrated in 1852, when France switched from the Julian calendar to the Gregorian calendar and some say that it is related to the turn of the seasons.



'World Autism Awareness Day' is observed on **2<sup>nd</sup> April** to raise awareness about autism and educate people about it.



On **4<sup>th</sup> April** every year '**International Day for Mine Awareness and Assistance in Mine Action**' is observed to spread awareness about the threat caused by landmines to the safety, health, and lives of civilian populations and encourages state Governments to develop mine-clearing programs.



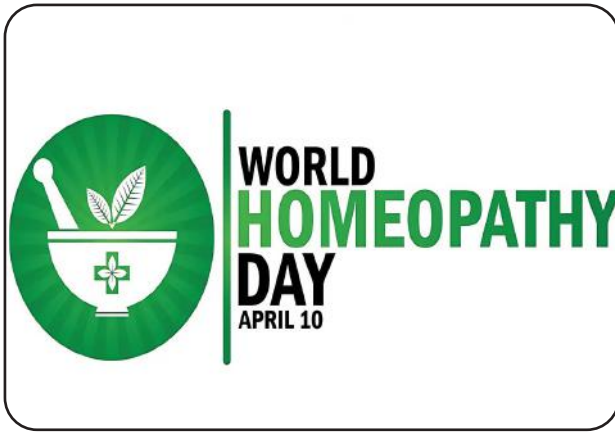
On **5<sup>th</sup> April** every year **India** observes '**National Maritime Day**' because on this date in 1919 navigation history was created. SS Loyalty, the first ship of 'The Scindia Steam Navigation Company Ltd' journeyed to the United Kingdom. It was a red-letter day in the history of Indian navigation.



An annual celebration of the ability of sport to promote social change, community development, and peace and understanding is observed on **6<sup>th</sup> April** as '**International Day of Sport for Development and Peace**'.



'World Health Day' is celebrated worldwide every year on the **7<sup>th</sup> of April**. Various programs and arrangements are managed by the World Health Organization. It was the first time celebrated in 1950.



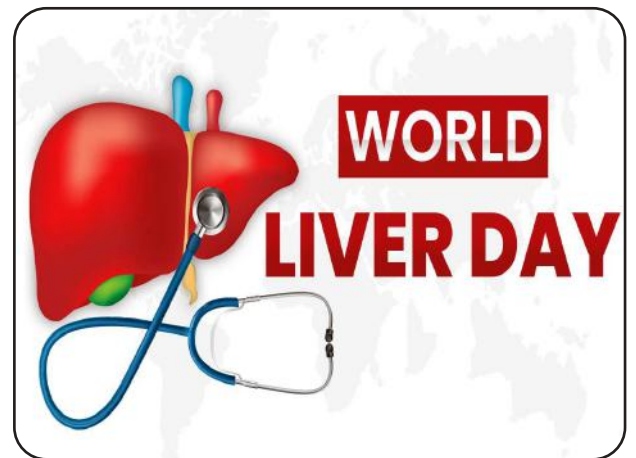
'WHD' is observed every year on **10<sup>th</sup> April** to pay tribute to the founder and father of the Homeopathy system of medicine **Dr. Christian Friedrich Samuel Hahnemann**. The main aim of this day is to spread knowledge about homeopathic medicine in public health. Basically, this day is celebrated both for homoeopaths and also for those who have been healed with homoeopathy.



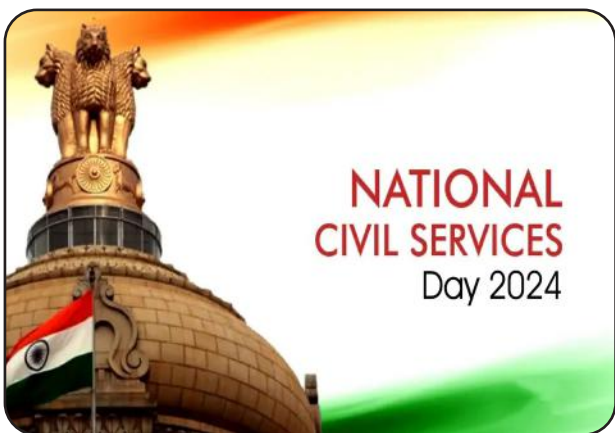
'World Haemophilia Day' is observed on **17<sup>th</sup> April** every year to increase awareness about hemophilia disease and other inherited bleeding disorders. In 1989, World Haemophilia Day was started by the World Federation of Haemophilia (WFH) in honor of WFH founder Frank Schnabel's birthday.



This day is observed on **18<sup>th</sup> April** to preserve the human heritage and recognize the efforts of all the relevant organizations in the field. This day was announced by the International Council on Monuments and Sites (ICOMOS) in 1982 and was approved by the General Assembly of UNESCO in 1983.



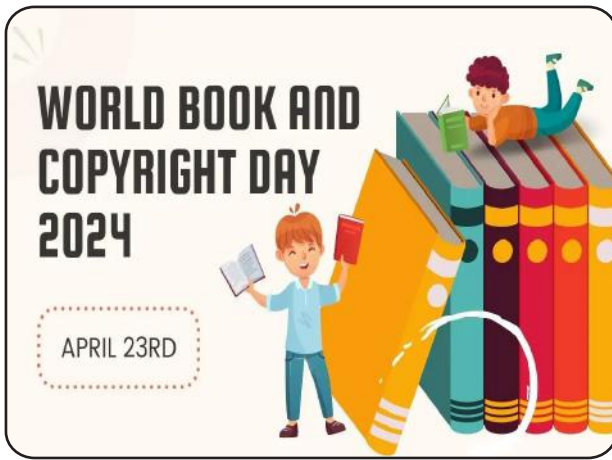
It is observed on **19<sup>th</sup> April** to spread awareness about the diseases related to the liver. The liver is the second largest organ in the body. After the brain, it is also the second most complex organ in the body. It performs various crucial functions associated with digestion, immunity, metabolism, and the storage of nutrients within the body.



On **21<sup>st</sup> April** every year '**Civil Service Day**' is celebrated to rededicate and recommit themselves to the cause of the people. On this day Civil servants from various parts of the country come together, share their experiences and also learn about others' experiences of working in the public sector.



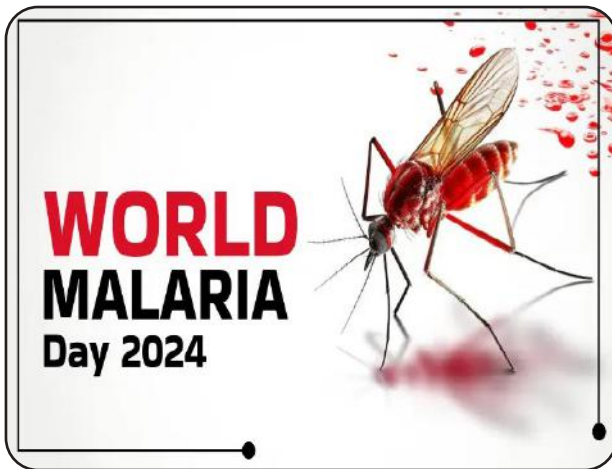
This day is observed on **22<sup>nd</sup> April** to mark the anniversary of the birth of the modern environmental movement in 1970. In the Universe, Earth is the only planet where life is possible and so it is necessary to maintain this natural asset. '**World Earth Day**' is celebrated to increase awareness about the importance of the planet.



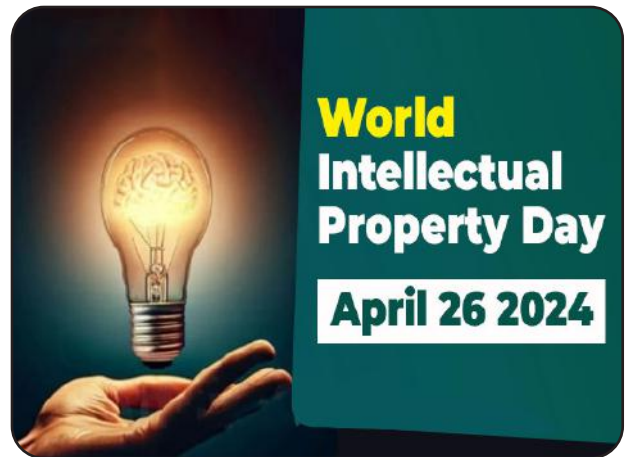
On **23<sup>rd</sup> April** this day is celebrated to promote the enjoyment of books and reading. It is necessary to recognize the magical powers of books because they generate a link between the past and the future, a bridge between generations and across cultures.



'National Panchayati Raj Day' is celebrated every year on **24<sup>th</sup> April** in India. On this day, Constitution came into force with effect on 24<sup>th</sup> April 1993. In 2010 the first 'National Panchayati Raj Day' was celebrated.



**World Malaria Day** is celebrated every year on **25<sup>th</sup> April** to raise awareness about the disease malaria, how to control it, and how to eradicate it completely. In 2008, the first Malaria Day was celebrated, which was developed from Africa Malaria Day, which was an event observed since 2001 by the African governments. At the 60<sup>th</sup> session of the World Health Assembly in 2007, it was proposed that Africa Malaria Day be changed to World Malaria Day.



This day is celebrated every year on **26<sup>th</sup> April** and was established by the **World Intellectual Property Organisation (WIPO)** in 2000 to raise awareness of how patents, copyright, trademarks, and designs impact daily life. And also it plays an important role that intellectual property rights play in encouraging innovation and creativity.



This day is observed on 28 April every year by the International Labour Organisation (ILO) since 2003. This day marks how to improve occupational safety, and health and looks to continue these efforts through several changes like technology, demographics, climate change, etc.



The purpose of Ayushman Bharat Diwas is to promote the goals of the Ayushman Bharat Yojana. This program demonstrates the accomplishment of Indian government goals that are in line with the UN's Sustainable Development Goals (SDGs)



# APSCHE

Andhra Pradesh State Council of Higher Education



From the  
*Chairman's Desk*

## The feeling of BURNOUT

We open the doors of academics with the desire to perform well. However, as we pass from one semester to another, the burning desire slowly fickle down with the approaching deadlines in academics. By the time we grapple with the situations, the expectation of getting placed starts building up on our shoulders. This makes our mind to go haywire with butterflies in the stomach and makes our night filled with the weight of future. Though we constantly push ourselves to perform, the feeling of burnout make us tired and unmotivated to complete the task. The next morning, sunrise brings the same old friend called burnt out with a smile.

Danzae Pace said, "Stress is the trash of modern life. We all generate it, but if you don't dispose of it properly, it will pile up and overtake your life." At least once in our lives, we are in the boat of burnout or have sailed through it. Academic burnout is popularly described as the prolonged period of stress about your studies, personal lives that leads to a state of mental and physical exhaustion which makes completing the task daunting. The reason for this phase is the culmination of many factors like unrealistic expectations, course-work overload, personal life struggles, and peer pressure, etc. Often this makes the student to get trapped in the cycle of unproductiveness, self-doubt, and lack of creativity to perform the task and get irked at small things. The spillover effect of this can be felt in the deteriorating personal life of the students.

Lou Holtz said, "It's not the load that breaks you down, it's the way you carry it." My dear students, many of you think of it as an insurmountable problem, in which, you may not rise above. I would like to convey that, you can break this phase of exhaustion by rejuvenating your mind and body. Take proper rest. A field that has rested gives a bountiful crop. Don't be guilty of taking small breaks and spending time with your friends or practicing hobbies and passion. Once in a while take a stroll in nature to reconnect with your desire. Everybody requires a break to dispose the stress and start afresh. Go for a walk or jog to keep yourself fresh. Meditate every day to control your emotions and stress. You can avoid slipping into this phase by prioritizing the things ahead. These small acts will help you to rejuvenate your mind and make you find motivation in what you are doing, and appreciate yourself. Remember, this is just a momentary phase that ends in the wink of an eye. There is a beautiful path ahead that you will definitely conquer.

శీతవేళ రానీయకు! రానీయకు!  
శిశిరానికి చోటియకు! చోటియకు!  
ఎదలోపల పూలకారు ఏనాటికీ  
పోనీయకు! పోనీయకు! పోనీయకు!

- దేవులపల్లి కృష్ణశాస్త్రి

Prof. K. Hemachandra Reddy  
Chairman, APSCHE

# LENS TECH



Hon'ble Vice Chancellor attended a meeting hosted by APSCHE on **12.04.2024** in virtual mode regarding progress of APSCHE EDX program.



Special Executive Council Meeting was held through virtual mode under the Chairmanship of Hon'ble Vice Chancellor on **12.04.2024** regarding Approval of Budget (Vote on Account). The Rector, Registrar and the EC members of JNTUA attended the meeting.



A meeting was held in virtual mode under the Chairmanship of Hon'ble Vice Chancellor on **29.04.2024** regarding ongoing cooperation between JNTUA & Blekinge Institute of Technology, Sweden in connection with release of notification for the academic year 2024-25 admissions.



A meeting was held under the Chairmanship of Hon'ble Vice Chancellor on **29.04.2024** regarding Benchmarks set for NAAC accreditation. The Rector, Registrar, University Officials, Principals and Heads of the departments attended the meeting.





# Tech Ananth

**JAWAHARLAL NEHRU TECHNOLOGICAL  
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