RAGHU ENGINEERING COLLEGE

AUTONOMOUS

(Permanently Affiliated to JNTUK, Approved by AICTE
Accredited by NBA and NAAC with 'A+' grade)

RADIANCE

The rise of knowledge...

2023-2024

REC Vision

Envisioning to be a world class technical institution by synerging quality education with ethical value

REC Mission

To encourage training and research in cutting-edge technologies.
To develop and strengthen strategic links with the industry.
To kindle the zeal among the students and promote their quest for acadamic excellence.
To encorage extra-cirricular activities along with good communication skills.

Message

Shri Raghu Kalidindi
Chairman

Dear Readers,

It gives me immense pleasure to share my thoughts for the 2023–2024 edition of our college magazine. This publication reflects the vibrant academic and extracurricular culture of Raghu Engineering College, capturing the energy, dedication, and achievements of our students and faculty.

At REC, our mission is to foster a holistic learning environment where students grow both academically and as well-rounded individuals. The significant number of placements achieved this year is a testament to the relentless efforts of our dedicated faculty and the Training and Placement Cell. These accomplishments highlight the preparedness and competence of our students to meet industry demands.

Built on the pillars of quality education, innovation, and dedication, REC continues to inspire students to push boundaries and embrace challenges. Education here is a transformative journey, shaping our students into confident leaders ready to make a difference.I wish our students and faculty continued success and hope this magazine inspires everyone to aim even higher.

Message

Shri Rahul Kalidindi
Director

Dear Readers,

It is with great pride that I share this message for the 2023–2024 edition of our college magazine. This publication highlights the milestones, achievements, and creativity of our students and faculty, reflecting the vibrant culture of Raghu Engineering College, where academic excellence meets innovation and holistic growth.

As an alumnus, I am proud to witness REC's evolution into a center of excellence. With advanced facilities, industry collaborations, and a focus on core competencies, we prepare our students to bridge the gap between academic knowledge and real-world challenges. This year, I am delighted to see significant achievements in academics, research, placements, and extracurricular activities, including cultural and sports events. These accomplishments showcase the dedication of our students and the guidance of our committed faculty.

I commend the editorial team for their efforts in bringing this edition to life. It not only celebrates our achievements but also inspires the REC community to aim higher. Together, let us continue to uphold our legacy of excellence and innovation.

Message

Dr. Ch. Srinivasu
Principal

Dear Readers,

Education is not just about acquiring knowledge but about shaping individuals who contribute to a better world. True education blends academic excellence with values, fostering balanced individuals who can navigate life's challenges with resilience and wisdom.

At Raghu Engineering College, we aim to equip our students with the skills needed for success in the twenty-first century while grounding them in the richness of our socio-cultural heritage. Our holistic approach ensures that learning nurtures not just intellect but also character, creating well-rounded, responsible individuals.

I deeply appreciate the dedication of our faculty, whose guidance inspires students to achieve their best. To our students, I encourage you to dream big, stay disciplined, and embrace every opportunity to grow. Let your learning extend beyond the classroom, making a meaningful impact on the world.

Together, let us continue our journey of excellence and transformation, creating a brighter future for all.

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Events

Republic Day Celebrations

Republic day celebrations on 26th Jan 2023 held in the college in the presence of principal, faculty members and students. NCC students of the college conducted marchfast under the guidence of trained commander.

Sankranthi Sambaralu

The Management, staff and students of Raghu Engineering College (Autonomous) celebrated "Sankranthi Sambaralu" in the college premises on 12th & 13th January 2023. The students dressed in their traditional wear, best decorated the premises with Rangoli and took part in various activities.

Culinary Club

The Culinary club of REC, as a part of IQAC has organised a cooking competition for the students of the college under 2 categories: cooking with fire and cooking without fire.

National Science Day

National Science Day has been celebrated on 28th February in commemoration of the discovery of the "Raman Effect" by the genius scientist Sir CV. Raman.

The theme for the National Science day, 2023 is "Global Science for Global wellbeing.

CSE- World computer Day

TThe Department of CSE has celebrated "World Computer Day" on 15th February 2023 to celebrate the first computer company, the ECKERT-MAUCHLY Computer Corporation. by conducting Quiz. The Quiz consists of 20 questions with general questions on Computer Topics .The quiz is conducted on the Quizizz platform. February 15th, 2020 was the day of the inaugural "announcement" of World Computer Day. And February 15th, 2021 was the first global celebration which coincided with the 75th Anniversary of the launch of ENIAC.

International Women's day

Women Empowerment Cell under IQAC celebrated National Women's day on 07th.March 2023 in a grand way. The program is organised on the theme "DigitALL: Innovation and Technology for Gender Equality" .Mrs Ambati Himabindu a women Entrepreneur of Arka Agro Food and Industry, was invited as a Chief Guest.The programme was followed by prize distribution to the winners of the conducted events, girls for their excellence and faculty for their outstanding achievements.

ECE- Make-A-Thon

This event provides a competitive environment among teams allover to enhance their abilities and skills. Make-A-Thon event helps the students know their highs and lows especially and create individual exposure with their competitive spirit. Because it is a platform where ideas meet innovation and change meets technology. Event was conducted on 20th march 2023 and the venue was ECE Simulation Lab. Event was conducted based on teams that consist of 2 to 3 members. Dr.G.Dattatreya, Mr.K.KoteswaraRao and Mr.K.RaviTejaswi.

Events

International Yoga Day

International Yoga Day has been observed for 3 days , 19th ,20th and 21st of June . The Day has been observed by all the departments of the college, in association with NCC and NSS volunteers. Reputed yoga teachers were invited to celebrate Yoga Day.The yoga day was celebrated following the theme "VasudhaivaKutumbakam".This Day is celebrated to promote the numerous benefits of practicing Yoga.

Women Empowerment cell

The Women Empowerment Cell has organized a yoga session especially to the girl students as a part of the 3 day International Yoga Day celebrations. The session was conducted on 20th June 2023 in the Indoor Sports Stadium. The cell invited Mrs K LalitaJagadeesswari, a Yoga Trainer from AU Yoga Village. The Trainer has specified on particular Asanas which are beneficial, forwomen. The lady faculty of the college also joined the girls and participated in the session actively.

Mechanical event-(SAE)

The Department of Mechanical Engineering being a part of Society of Automotive Engineers(SAE)which is a US based globally active professional Association,has had an active participation in various SAE-2023 activities

World Telecommunication Day

The Department EEE Conducted an Alumni Talk on Career Opportunities for Electrical Engineers in the College Premises on 31st May 2022 during 10 AM -12 PM in Electrical Simulation Lab. The Resource person Dr. Hema chander, Asst Prof, NIT, Puducherry explainThe Department of ECE & IETE Visakhapatnam chapter, to commemorate World Telecommunication Day has organized an expert talk Dt: 17th May 2023 ,in the Seminar Hall. Mr A. Srinivasarao, General Manager, BSNL Visakhapatnam & Vice Chairman IETE Visakhapatnam chapter,was invited to deliver a talk on the topic,"Emerging Trends in mobile communications". The Resource person has urged the students to be aware and get an idea on the recent emerging trends in mobile communicationsed about various career opportunities for Electrical Engineers.

Women Empowerment Cell

The Department EEE Conducted an Alumni Talk on Career Opportunities for Electrical Engineers in the College Premises on 31st May 2022 during 10 AM -12 PM in Electrical Simulation Lab. The Resource person Dr. Hema chander, Asst Prof, NIT, Puducherry explained about various career opportunities for Electrical Engineers.

Women empowerment cell-Disha

The Women Empowerment cell Under IQAC has organised an awareness program on the need and purpose of installing Disha App 18th May 2022 from 10:30 to 11:30 pm in the Seminar hall. Sub Inspector Sri Prasad from Bhimli Police Station attended the event and explained that the purpose of the app is to provide safety to women. The event was attended by Principal Dr K Srinivasu, Vice Principal Dr. A. Vijay Kumar, and Heads of the departments, lady faculty and first and second year girl students of the college. The girl students and the faculty present downloaded the app immediately. The police officials encouraged the girls for clarifications in the interactive session and answered the questions.

Events

CIVIL- Alumni talk

Department of Civil Engineering Organized an alumni talk on Exploring Civil Engineering: Job Opportunities and Higher Studies by Lohitha Sinha, Associate Consultant at E&Y, an Alumni of 16-20 Batch on 22nd July

National Constitution Day

Raghu Engineering College, NSS Units celebrated National Constitution Day, on 26thNovember 2023. EveryyearonNovember 26th,India commemorates Constitution Day, a day dedicated to honoring the adoption ofthe Constitution of India. Alsoknown as National Law Day,this day marks the culmination of the Constituent Assembly's tireless efforts incrafting the supreme law of the land. The Constitution, which came into effect on January 26th, 1950, serves as the bedrock of Indian democracy, enshrining the fundamental rights and liberties of its citizens.

CIVIL-Field visit

45 students of Third Year and 48 students of Final year Civil Engineering REC visited the Janjavathi Rubber Dam and Thotapalli Barrage on 12th August 2023 along with Head of the Department, 5 Faculty Members and 2 Lab Technicians.

CSE-IEEExtreme17.0

The students of CSE (CSE & Specializations) – REC attended 24 hours coding contest conducted by IEEE titled IEEE xtreme17.0 . The members of IEEE CS chapter attended this online contest.
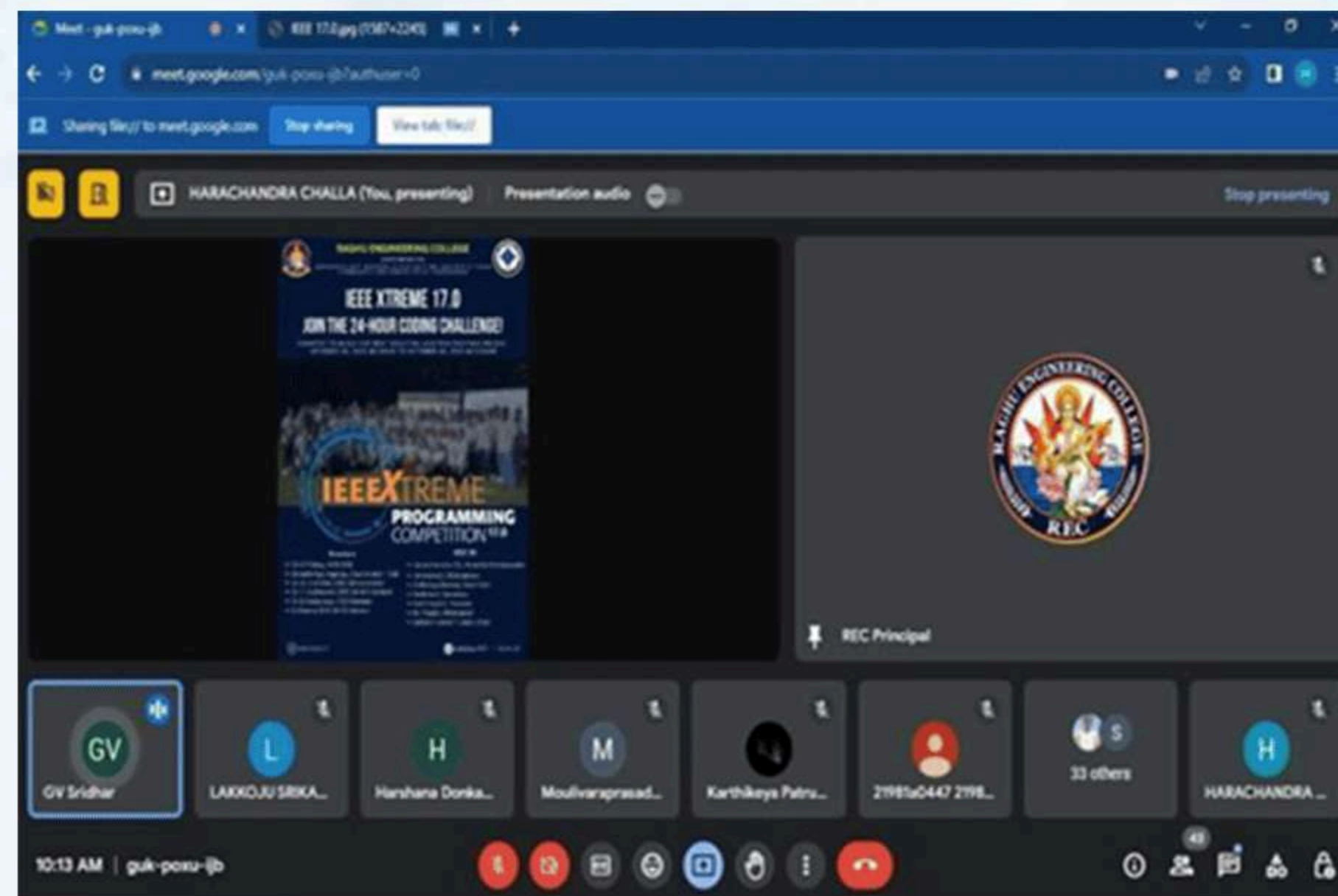
Geeks for Geeks –Student Club

A new Students club – Geeks for Geeks has been approved for CSE & Specialization students . The chapter inaugural online session held on 24thDecember 2023at10am.ThechapterLeader isBHarshaVardhan

.The session was presided by Program Heads – CSE – Dr.R.Shivaranjani , CSM – Dr.K.V.Satyanarayana , CSD-Dr.S.Adinarayana , CSO&CSC –Dr.OmPrakash and CSE – Cordinator – Sri .S.Srinadh Raju , Faculty coordinator – B.Meena and Student chapter leads

The members elaborated the objective of Geeks for Geeks club and Activity Planner .

The chapter leads explained the usage of the platform along with the benefits.

Events
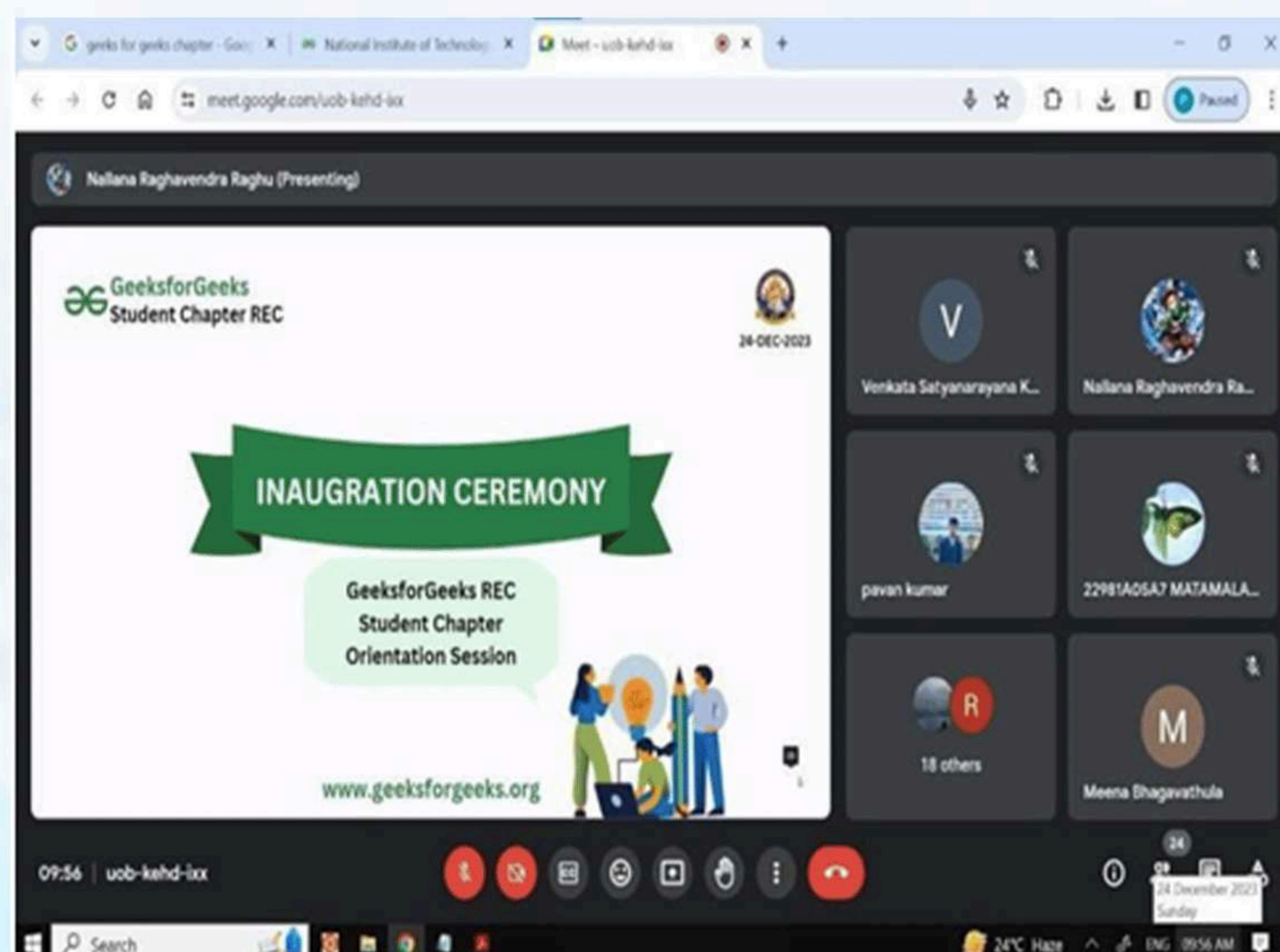
Yogothsavam

Raghu Engineering college , NSS units associated with GITAM Deemed to be University to organize Yogothsavam-2023 at Vizayanagaram District on 13-05-2023 between 5.30AM to 7.00 AM at Moti Mahal Darbar Palace, Inside Vizianagaram Fort, Vizianagaram. Our NSS Volunteers , Students and Programme Officers actively participated and supported directly and indirectly in various works to conduct the programme smoothly. Around 1000 members participated in this event from various yoga organizations and Educational institutions and colleges. Dr. SriKrishna , explained the importance of yoga and encouraged participants to practice "Yoga-Aashnalu" between 5.30 AM to 7.00AM at the venue place. The delegates and guests given various examples to participants such as personality development through yoga, how to minimize health Problems through Yoga practice ,   and how to use yoga in our personal life, etc.

Events

A Blood Donation Camp was organized by NSS Units of Raghu Engineering College, Visakhapatnam , AndhraPradesh, in association with Indian Red Cross Society and Rotary Blood Banks, Visakhapatnam and Vizayanagaram on 13-09-2023. The Blood Donation camp, was inaugurated by our Chairman Sri. Raghu Kalidindi and Secretory Smt.Rama Devi Kalidindi , Sri. N.V.S.S. Ramachandra Raju , Sri. D.S.Varma, Principal Dr. Ch. Srinivasu. Our chairman addressed the students and apricated all Blood donors. The Volunteers and staff donated 617 units of blood and more than 1296 students, volunteers and staff registered and attended the camp. But some of the Participants were rejected due to various parameters like low HB%, less weight, usage of medicine or Cold, etc.

Events

On the 21st of February 2024, the International City Parade-MILAN 2024 showcased a demonstration of discipline and unity by the NCC cadets on RK BEACH ROAD, Visakhapatnam. Organized by the Indian Navy and Visakhapatnam NCC Group and in collaboration with 2(A) CTR NCC UNIT and 3(A) NAVAL UNITS of Raghu Engineering college, this extension activity was a stirring display of patriotism and camaraderie. The event, which was part of a multilateral naval exercise hosted by the Indian Navy, was attended by the Defence Minister, Shri. Rajnath Singh, as the chief guest, along with various Indian Navy officials, state government officials, NCC officers, and the general public. The parade, featuring 10 cadets from Raghu engineering college and all other NCC cadets from various units under NCC VSP Group, was a microcosm of India's rich cultural diversity and commitment to international maritime cooperation.
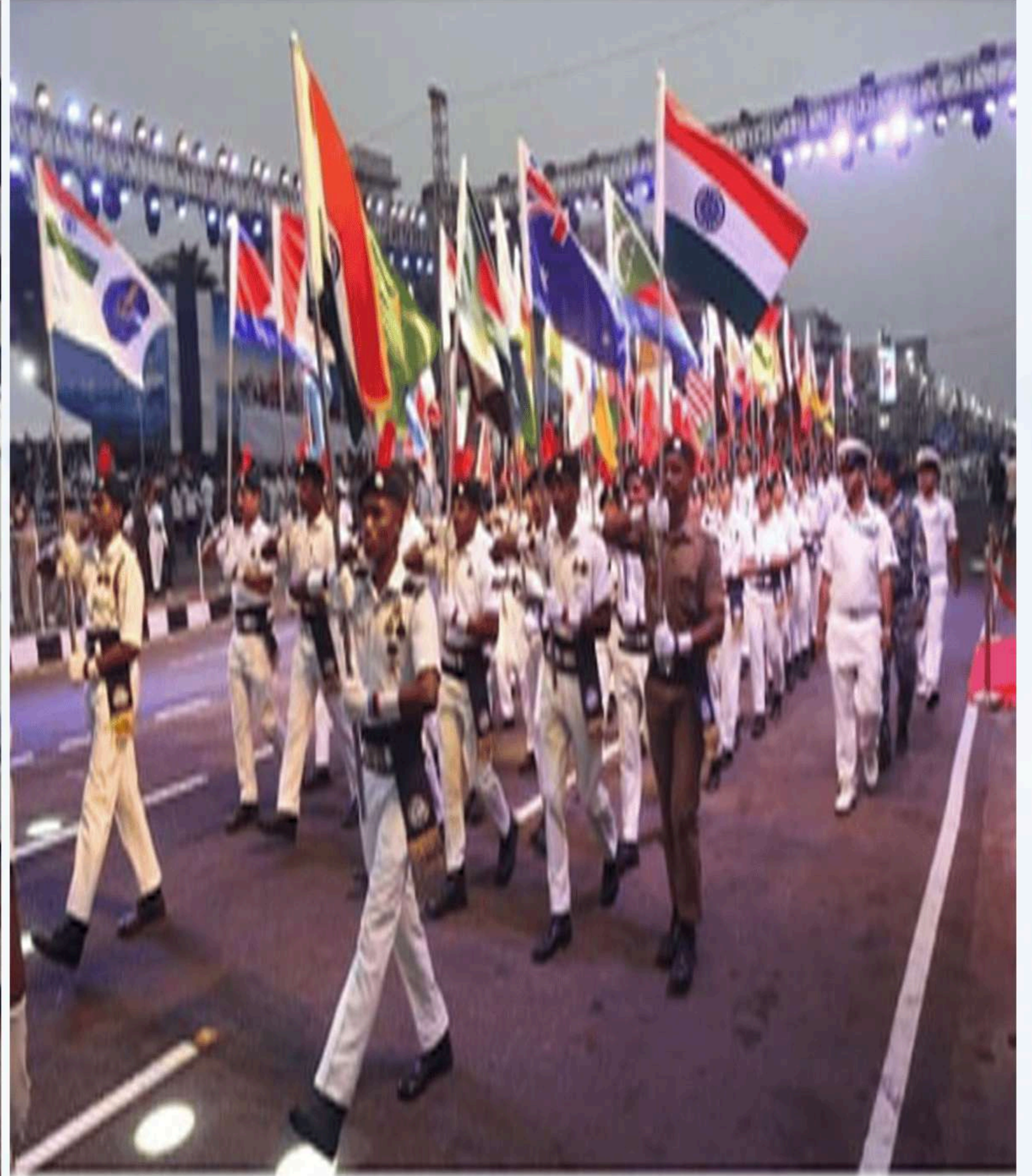
Events

World Water Day

On 22nd March 2024, we NCC cadets of Raghu Engineering College have participated in rally at Mopada village near Daakamarri to create awareness about drinking water and conservation of water and importance of water for our future generations on water day. Took a at government school of mopada village aalong with the childen studing in that school.

Toppers' List

ECE	U. Reethika(21981A0449)	9.92
EEE	N. Raja Vishnu Prasad(20981A0449)	9.85
CIVIL	E. Rupavathi(22981A0110)	9.77
MECH	B. Srinivas Rao(20985A0310)	9.45
CSM	M. Harshith(22981A42B0)	10
CSD	P. Neha (22981A4E6)	9.92
CSE	D. Ramachandra(22981A0541)	9.85
CSC	R. Gangadhar(22981A4645)	9.85
CSO	K.Varshitha(22981A4922)	9.54

Republic Day Celebrations

Raghu Engineering College NSS unit organized Independence Day celebrations on 15th aug-2023. It was celebrated with great enthusiasm and patriotic fervours on 15th August, 2023 on the College Campus ground with the staff, students NCC Cadets and NSS Volunteers to mark the 77th year of freedom from British rule.

On this special occasion, the programme started with flag hoisting by the Principal Dr. Ch Srinivasu, and the other guests. The Principal and guests addressed the gathering appealing to their nationalistic spirit and urging them to take pride in being an Indian and fulfilling one's duty with responsibility.

CSE-Catch up with Alumni

The Department of Computer Science And Engineering conducted an online session on "Dynamo db" by Mr P Uday Kumar, Application Engineer, Amazon on 22-07-2023 from 03.00 PM to 4.00PM. The Speaker (Alumni) has covered the below topics on Dynamo db.

CSE-Hackathon

Department of Computer Science and Engineering organized Internal Hackathon for the Smart India Hackathon-2023 on 26-09-2023. Around 48 teams participated in the event and passionately showcased their innovative ideas.

CSE-Alumni talk

Department of Computer Science and Engineering conducted an online session on "Full Stack Development" by Mr Phani Srivatsava, Full Stack Developer, and Infosys on 16-09-2023 from 11.00 AM to 12.00 AM. The Speaker (Alumni) has covered the below topics on Full Stack Development

CSE-World Computer Literacy Day

World Computer Literacy Day, celebrated annually on December 2nd, was launched in 2001 by the Indian computer company NIIT to mark its 20th anniversary. It was born out of a desire to address the digital divide and promote the development of technological skills. The Department of CSE & Specializations celebrated World Computer Literacy Day by conducting Hackathon and Number Crunching Competition. The faculty coordinators are Mr.PPNGPhaniKumar ,Mr.DVS Ravi varma and Ms.Renuka Sai respectively. The event held under CSI Chapter.

Hackathon isa problem-solving coding contest held for 2 hours and Number Crunching is a competition to test Verbal & Aptitude skills of a student. Around 200 participants attended the contest and competition.

ECE-Skill development Program

A two day skill development programme on "Generative AI with Phython" was conducted on 19th and 20th October 2023.It is both theory and practical session as well.Programmme started by inauguration started at 10am ,Dr.Gupteswar-Sahu Professor & R&D head initiated welcome note to the Dr.Ch.Srinivasu Principal, Dr.K.P.Vinay HOD of ECE Department, Dr.G.V.Sridhar Professor & Counselor of IEEE, Dr.B.ChinnaRaoProfessor,DrG.DattatreyaProfessor
, the Instructor KarthikPodugu and also the faculty members and students to the workshop on "Generative AI".DrCh.Srinivasu Principal, DrGupteswarSahu Professor & R&D head spoken about importance of Articificial Intelligence and session handed to the instructor.

Day1 session has introduced Generative AI and deep learning. It also covered the topics layer and types of layers, Neural networks , different types of neural networks and its architectures. Practical session was conducted on different AI websites.

Events

ECE-Evaluation of Telecommunication

The webinar titled "Evolution of Telecommunication" was held on 20th October and featured Mr.Kolli Aditya, Senior Engineer, RF planning and Optimization, Huawei Technologies Ltd as the distinguished speaker. This talk is focused on the historical development and contemporary trends in the field of telecommunication. The webinar was hosted by IETE Students Forum. Dr.Ch.Srinivasu, Principal, Raghu Educational institutions, during his welcome address applauded the Resource person for sparing valuable time for their almamater.

REC-Women Empowerment Cell

International Women's Day is celebrated around the world every year on the 8th of March. It celebrates womanhood and pays tribute to the indomitable spirit of women across the globe. Its root lies in the early 1900s when oppression and inequality was spurring women to become more vocal and active in campaigning for change. The main objective of this day is to create awareness of gender equality for a healthy society. Also, the milestone to be reached is the basic information for a girl child in every family that education will bring awareness among the society which will further result in overall development of nation and its community This day is celebrated with great enthusiasm and response from the girls of our college by conducting different events, encouraging the girl students active participation.

Events

CSE -Programmer's day

The Department of CSE (CSE ,CSM,CSC,CSO,CSC) celebrated Programmer's Day by conducting Code golf
- Coding contest and Technical Quiz for 2nd year and 3rd year students . It is traditionally observed on September 13 in regular years to correspond to the 256th day of the year. It's a day to express gratitude to the programmers who create the code that runs our computers, smartphones, and a wide variety of other hardware and software.

CSE- GDSC Student club

The Department of CSE started a new Student Developer Club – GDSC – Google Developer club
.The aim of this chapter is to Learn about a range of technical topics and gain new skills through hands-on workshops, events, talks, and project-building activities online and in-person. The chapter is lead by Charan Manikanta – III/IV CSE . The club started on 28th   August 2023

ECE-AVISKARA 2K23

IETE AVISKARA-2K23 prelims was held on 1st & 2nd of September 2023, at Raghu Educational Institutions(REC & RIT). Several colleges have been invited by the IETE student branches of both the colleges to present their ideas and projects in all the tracks introduced by prelims. Aviskara, a technical extravaganza, has been a testament to the incredible talent, creativity, and technical prowess of all the participants. inauguration held at Raghu Engineering College by Dr.K Chandra Bushanan(-Director of Academic and Planning, JNTU-GV Vizianagaram), Prof.P Rajesh Kumar Sir(Head of the Department of ECE, Andhra University College of Engineering, Visakhapatnam),Dr.Ch Srinivasu Sir(Principal of Raghu Engineering College) & Dr.K Phaninder Vinay Sir(Professor & Head of the department of ECE) followed by salutation of ISF Student Co- ordinator, Mr.P Abhishek(Chair, REC).And the event was hosted by D Harshana.

Mega blood donation camp

A Blood Donation Camp was organized by NSS Units of Raghu Engineering College, Visakhapatnam , AndhraPradesh, in association with Indian Red Cross Society and Rotary Blood Banks, Visakhapatnam and Vizayanagaram on 13-09-2023. The Blood Donation camp, was inaugurated by our Chairman Sri. Raghu Kalidindi and Secretory Smt.Rama Devi Kalidindi , Sri. N.V.S.S. Ramachandra Raju , Sri. D.S.Varma, Principal Dr. Ch. Srinivasu. Our chairman addressed the students and apricated all Blood donors. The Volunteers and staff donated 617 units of blood and more than 1296 students, volunteers and staff registeredand attended the camp.

ECE-WAMS

WAMS is a multidisciplinary symposium focused on providing an affordable yet state-of-the-art international forum for students and young professionals to interact with leading domain experts from around the world. WAMS 2024 marks the third installment in the series and was a resounding success, bringing together visionaries, industry leaders, and researchers in the fields of Wireless, Antenna, and Microwaves to explore emerging trends, technologies, and strategies shaping the future. The conference was held at Raghu Engineering College, Visakhapatnam, Andhra Pradesh, India, with the IEEE Vizag Bay section as the technical partner during February 29 – March 03, 2024. The conference provided a platform for fruitful discussions, networking opportunities, and collaboration.

A workshop was organized on February 28, 2024, as part of the conference to provide participants with an opportunity to gain knowledge on Advanced Antenna Designs for Space, Air, and Ground Communications, Space Applications, the Future of Space Exploration, Satellite Telecommunications, Radar Systems, and Radio Telescopes.

The workshop featured talks from distinguished speakers, including Dr. Sudhakar Rao (President & CEO, RaoS Consultants LLC, USA), Dr. Nacer Chahat (IEEE Fellow, NASA- JPL, USA), Dr. Paolo Focardi (Senior RF Microwave Engineer, NASA-JPL, USA), Dr. Gaurangi Gupta (Antenna Engineer, NASA-JPL, USA), Mr. Abhishek Tiwari (Product Manager, MathWorks, Bangalore), Dr. Shiv Narayan (CSIR-National Aerospace Laboratories, Bangalore), Dr. Jonathan Sauder (NASA-JPL, USA), and Dr. Ch Anil Kumar (Scientist-E, Naval Science and Technological Laboratory, Visakhapatnam). The workshop attracted a total of 186 participants from various parts of the country, eager to benefit from the expertise and insights shared by these esteemed speakers.

Events

National Science Day Celebration

National Science Day is celebrated every year on February 28 to commemorate the discovery of the 'Raman Effect' and to raise awareness about the importance of science and its role in improving the lives of people. The National Science Day also acknowledges the efforts of the scientific community who work in exploring more and more ways by which science can be implemented to make our lives simpler and easier. The impact of Indian scientific breakthroughs is significantly enhancing the Ease of Living' for the common man, which has been proved by developing indigenous COVID-19 vaccines during the pandemic. This year the theme of national science day is "Indigenous Technologies for Viksit Bharat" given by union minister of Science and Technology. In tune with the given theme National Science Day celebrations was conducted at Raghu Engineering college, Visakhapatnam, Andhra Pradesh, India between 13th March to 16th March typically marked by various events like Essay writing, Idea Presentation, Poster presentation, Science Quiz and Mini Project Expo. These events aim to promote scientific temper and create awareness about the importance of science and technology in society.

Essay Writing and Idea Presentation
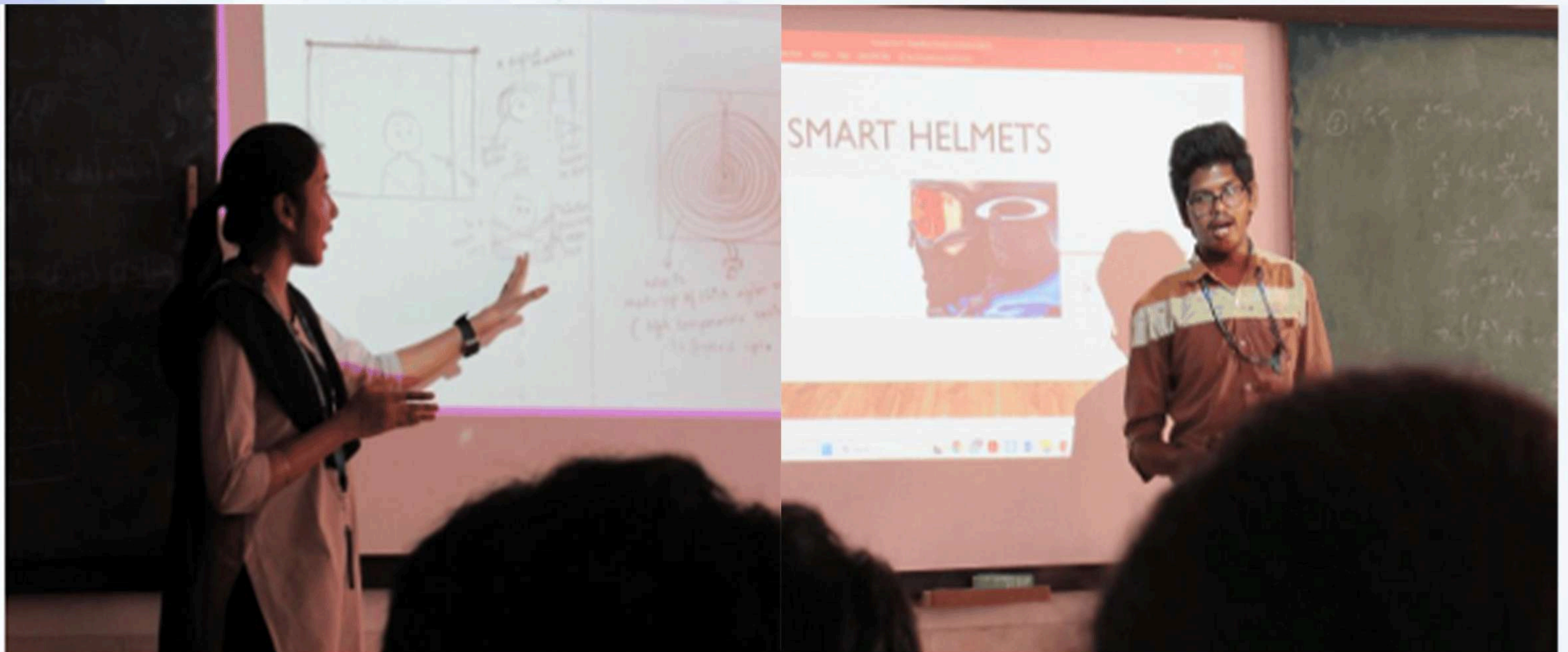
Events

Events

Mini Project Expo

Events

Events

English Language Day Celebration

The English Language Day celebrations at our college on April 23, 2024, themed "Echoes of English: A Global Celebration," were a week-long showcase of linguistic talent, creativity, and intellectual engagement. The festivities featured diverse activities, including the Spellathon-2K24, Picture Perception, Story Building & Narration, Word Puzzle, Mock Parliament, Snap AD Challenge, and a musical celebration of English songs. Each event highlighted the significance of English as a bridge to knowledge, culture, and communication, fostering students' language proficiency, critical thinking, and creative expression. The celebration also honored the literary legacy of William Shakespeare, whose contributions continue to shape the English language. Through these dynamic and interactive activities, students honed their skills while embracing the richness of English as a global medium of expression.

Spellathon

Participants engaged in a thrilling display of linguistic prowess as they competed in a spellathon, showcasing their mastery of English vocabulary and spelling accuracy. The competition saw enthusiastic participation from students, demonstrating their dedication to honing their language skills.

Picture Perception

Participants embarked on a journey of visual storytelling, interpreting images and crafting narratives that transported audiences to new worlds. The event highlighted the power of imagery and narrative to evoke emotions, stimulate imagination, and convey profound truths. The creative interpretations showcased the diverse perspectives and storytelling abilities of our students.

Events

Story Building & Narration

Participants collaborated to weave intricate tales, constructing narratives that enthralled and enchanted listeners. Through this exercise, participants not only demonstrated their storytelling prowess but also honed their ability to structure narratives, develop characters, and evoke atmosphere. The event fostered teamwork and creativity, encouraging participants to explore their imaginative capabilities.

Word Puzzle

Participants put their cognitive abilities to the test as they grappled with a variety of linguistic puzzles and brain teasers. The event challenged participants to think critically and analytically, showcasing their problem-solving skills and linguistic agility. The competitive spirit and determination displayed by participants underscored their commitment to intellectual engagement and language proficiency.

Mock Parliament

Participants engaged in lively debates and discussions on pressing socio-political issues, channeling the spirit of parliamentary discourse. The event provided a platform for participants to articulate their viewpoints, sharpen their rhetorical skills, and engage in constructive dialogue with their peers. The event encouraged critical thinking and civic engagement, empowering students to voice their opinions on matters of societal importance.

Events

Participants unleashed their creativity as they crafted persuasive advertisements within a constrained time frame. The event showcased the participants' marketing acumen and persuasive prowess, highlighting the power of language to influence consumer behavior and shape cultural narratives. The innovative ad campaigns reflected the participants' ability to communicate effectively and engage audiences through visual storytelling.

English Songs

Participants celebrated the melodic beauty of the English language through soulful renditions of songs. The event was a joyous celebration of music and language, bringing people together in harmony and fostering a sense of unity and camaraderie. The performances showcased the diverse musical talents of our students, highlighting the universal appeal of English songs and the emotive power of language in evoking feelings of joy and nostalgia.

Prize Distribution

World Blood Donors' Day - Awards Ceremony

On the occasion of World Blood Donors Day, June 14th, 2024, Raghu Engineering College was honored and appreciated for their steadfast commitment to blood donations over the years. The event took place at the IRCS Training Centre in Visakhapatnam, Andhra Pradesh, where the college received a special recognition from Joint Collector Sri. K. M. Ashok and IRCS Chairman K. Gangi Reddy.As per the direction by the Chairman of the Institution(REC), Mr. B.S. Venkata Reddy, NSS Programme Officer, and Lt. N. Krishna Kishore, NCC Lt. Officer, represented the college at the felicitation ceremony on June 16th, 2024. Their presence underscored the college's institutional commitment and the collaborative efforts of faculty and students towards humanitarian initiatives.

Orientation on NSS Activities and Blood Donation

On June 17, 2024, an orientation session was conducted focusing on NSS activities and the importance of blood donation. This session aimed to educate new and existing volunteers about the various NSS programs, with a special emphasis on the significance of blood donation. The program included informative talks, interactive discussions, and practical demonstrations to engage volunteers and foster a deeper understanding of their roles and responsibilities.

Importance of Yoga to School Children at Adopted Schools

On June 19, 2024, NSS volunteers conducted a program to teach school children at adopted schools about the importance of yoga. The session was designed to introduce the students to various yoga practices and highlight the benefits of incorporating yoga into their daily routine. Volunteers demonstrated different yoga poses, explained their benefits, and engaged the students in interactive activities to promote physical and mental well-being.

Medical Camp for Non-Teaching Staff and Others under NSS

On April 10, 2024, a Medical Camp was organized for the non-teaching staff and others associated with our institution under the National Service Scheme (NSS). The camp was aimed at providing free health check-ups and medical consultations. A team of doctors conducted thorough examinations, including checking hemoglobin levels, blood pressure, and blood sugar levels. Several staff members were identified with low hemoglobin levels, high blood pressure, and elevated blood sugar. The attending physician provided necessary medical advice and prescribed appropriate medications for those in need. This initiative was well-received and contributed significantly to the health and well-being of our non-teaching staff and their families.

NSS Volunteers Outreach Programme at Zoo Park (IGZP), Visakhapatnam

On April 21, 2024, NSS volunteers participated in an outreach program at the Indira Gandhi Zoological Park (IGZP), Visakhapatnam. The volunteers were assigned various tasks to assist in managing the zoo park, which included ticket verification, controlling school children's entry at the main gate, watering plants, guiding the public, and volunteering at stalls. The event was held on a Sunday, and the volunteers played a crucial role in maintaining order, ensuring a smooth experience for visitors, and supporting the zoo's daily operations.

Plantation Programme at Adopted Village

On April 28, 2024, NSS volunteers conducted a plantation program in an adopted village. The aim was to enhance the greenery and environmental health of the village through the planting of various types of trees and plants. Volunteers distributed saplings and assisted villagers in planting them in designated areas. The program was designed to promote environmental awareness and contribute to the village's ecological balance.

Orientation on Community Service Activities under NSS

On May 22, 2024, an orientation session on community service activities was conducted under the National Service Scheme(NSS). This session aimed to introduce new NSS volunteers to the principles and practices of community service, outline the various programs and projects they would be involved in, and emphasize the importance of their role in community deveopment. The orientation covered topics such as effective volunteerism, project planning, and the impact of NSS activities on society.

Awareness on "Importance of Vote and Responsibility"

On May 3, 2024, an awareness program was held to emphasize the importance of voting and civic responsibility. NSS volunteers organized and participated in a campaign that included informational sessions, discussions, and outreach activities aimed at educating the public about their voting rights and responsibilities. The program highlighted the impact of informed voting on democracy and encouraged active participation in electoral processes.

Sports

Kick-Boxing (Men)

Mr. P DIVAKAR, student of 4th Year Mechnical, Mr. K Dinesh, student of 2nd year CSM, Represented to JNTUGV Men KICKBOXING Team. For participating in All India Inter University KICKBOXING Tournament. Held at Swami Vivekananda subharti University, Meerut, Uttar Pradesh. From 05-03-2024 to 09-03-2024.

Boxing (Women)

Miss. K SAI TEJASWINI, student of 3rd year CIVIL, Represented to JNTUGV Women BOXING Team. For participating in South West Zone Inter University BOXING Tournament. Held at Chandigarh University, Mohili, from 29/12/2023 to 31/12/2023.

Table Tennis (Women)

SK RIZWANA KHATUN, student of 2nd year CSM, Represented to JNTUGV Women Table Tennis Team. For participating in South Zone Inter University Table Tennis Tournament. Held at AMIET Deemed to be University, Kanathuru, Chennai from 22-12-2023 to 24-12-2023.

Badminton (Men & Women)

Mr. V ABHISHEK, Student of 2nd year CSD, Mr. K HARIN KOVINDH, Student of 2nd year CSD, Represented to JNTUGV - Vizianagaram Men Badminton team. For participating. In the South Zone Inter University Badminton Tournament held at VELLORE INSTITUTE OF TECHNOLOGY, DEEMED TO BE UNIVERSITY, Chennai. From 19-12-2022 to 24-12-2022.

Kho-Kho (Men & Women)

Mr. L MANEESH, Student of 2nd year CSE, Mr. P HARSHAVARDHA, Student of 2nd year ECE, participated in South Zone Inter University KHO-KHO Men Tournament, Represented to JNTUGV - VIZIANAGARAM, Held at University of Calicut, from 26/12/2023 to 30/12/2023.

Volleyball (Men)

Mr. K RAJU, Student of 2nd year Mechanical, Mr. B Dharma Teja, Student of 1st year CSD, Mr. S SAI DINESH, Student of 2nd year Mechanical, Mr.G HAREESH, Student of 1St year M.Tech (EEE), participated in South Zone Inter University VOLLEYBALL men Tournament, Represented to JNTUGV – Vizianagaram, Held at, VISVESVARYA TECHNICAL UNIVERSITY, KARNATAKA FROM 22-12-2022 TO 26-12-2022.

Air rifle and Air pistol (Men)

Mr. G S V LOKESH student of 1st Year M.Tech (MECH), Roll Number 23981D0405, & Mr. V V SANTOSH LIKHITH student of 3rd Year ECE, Roll Number 213J1A04C1Represented to JNTU-GV, Vizianagaram, Men AIR RIFLE SHOOTING Team. For participating in SOUTH WEST ZONE INTER UNIVERSITY AIR RIFLE & AIR PISTOL (MEN) SHOOTING CHAMPIONSHIP 2023-24. HELD AT KURUKSHETRA UNIVERSITY, KURUKSHETRA FROM 02-01-2024 TO 07-01-2024.

Sports

Taekwondo

Mr. P DILEEP, 2nd CSC, Roll Number 223J1A4647 Selected to Participate in All India Inter University TAEKWONDO (Men) Championship, Represented to JNTUGV - VIZIZNZGZRAM. Held at SHRI JADESHPRADESH JHABARMAL TIBREWALA UNIVERISTY RAJASTAN (JJTU) FROM 02/11/2023 TO 05/11/2023.

Kabbadi

Mr. J. Ashok, 4th Year, CIVIL, Roll No- 20981A0309, Mr. S.Ramcharan Teja, 2ndYear, CSM, Roll No- 22981A42C9, Mr. A. Sai Manikanta, 2nd Year, CSE, Roll No 223J1A0505. Selected to Participate in South Zone Inter University KABADDI (Men) Championship, Represented to JNTUGV - VIZIZNZGZRAM. Held at KAKINADA from 09/11/2023 to 12/12/2023.

Basketball

Mr. A. Jayaram, 4th Year, Mechanical, Roll No-20981A0307, Mr. R. Sampath Kumar, 4th Year, Mechanical, Roll No-20985A0374,Mr. Siddartha Reddy Dalli, 4th Year, CSE, Roll No- 20981A0543. Selected to Participate in South Zone Inter University Basketball (Men) Championship, Represented to JNTUGV - Vizianagaram. Held at UNIVERSITY OF KERALA FROM 13/11/2023 TO 18/11/2023.

Tchnical fest- Chakravyuh – 2K23

Raghu Engineering college organised Annual Technical Symposium, Raghu's CHAKRAVYUH 2K23   on 20th and 21st of March . The fest has been organised in collaboration with all the departments : EEE ELECTRIKA 2K23,CIVIL REIN4Z 2K23, MECH DYNAMECH 2K23, ECE SPARKS, CSE TARANG 2K23. The Event has been organised to explore the student's caliber in activities like technical, non- technical and cultural. Huge number of students participated in the fest and made the event a grand success.

Tarang- Hackathon
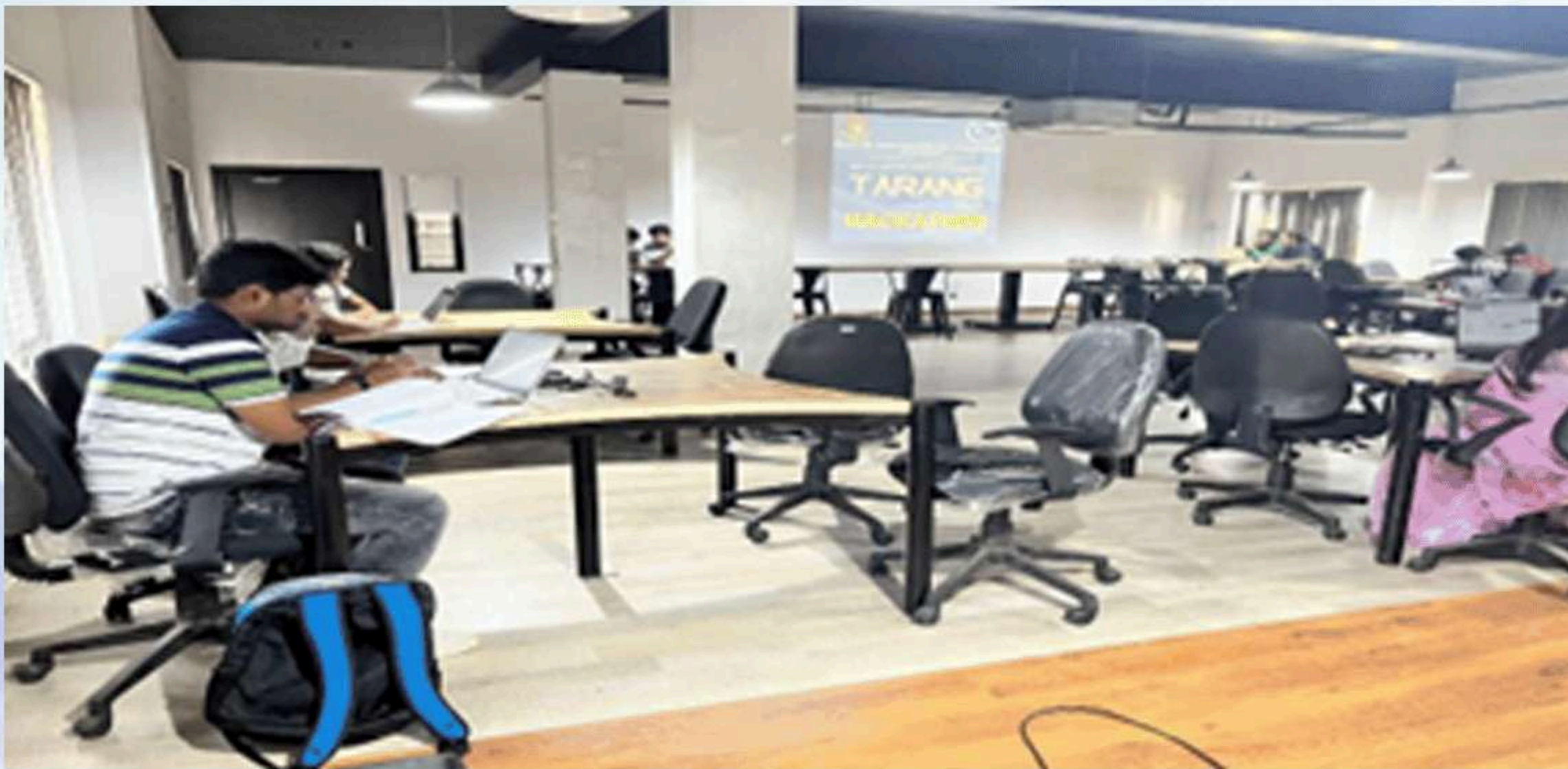
Poster presentation

Technical Quiz

PowerPoint Presentation
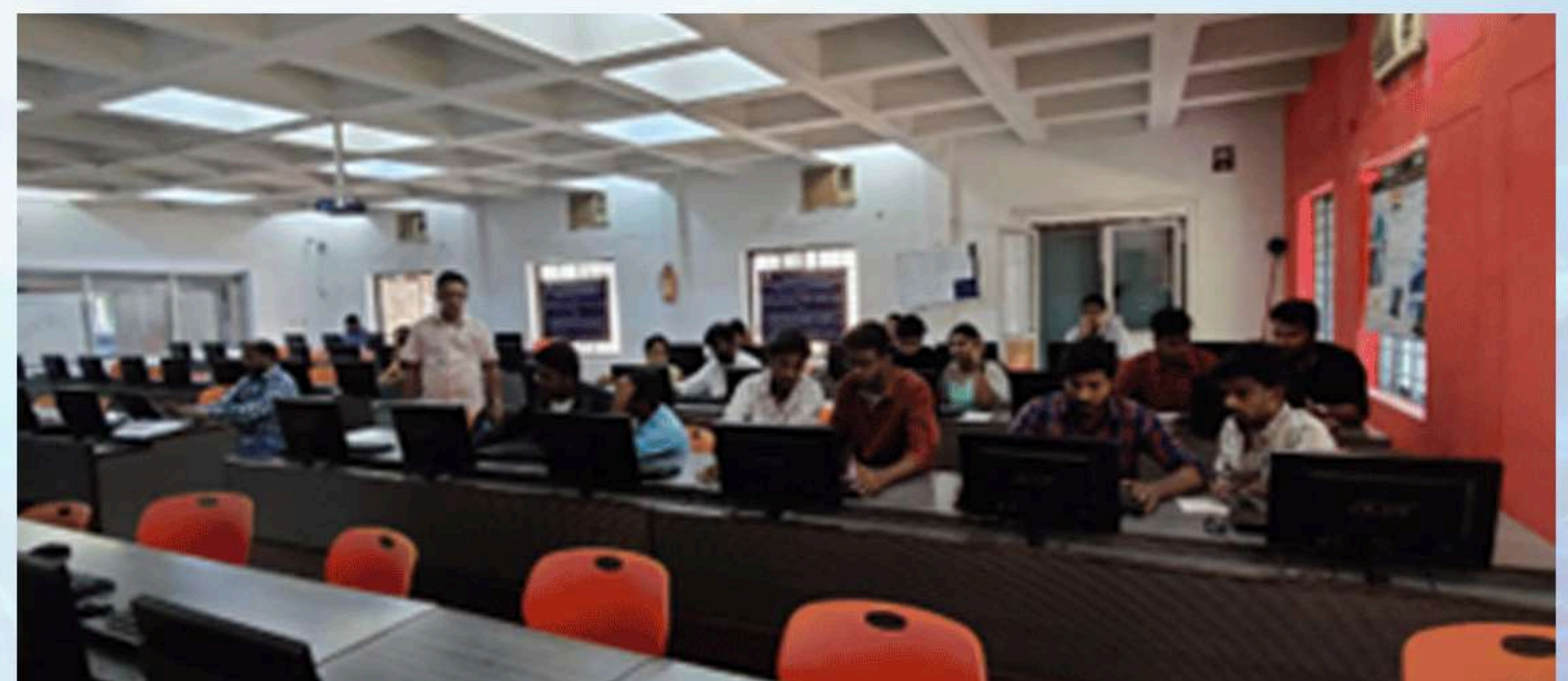

Conquer poster

Elektrika- Project Expo

Dynamech - Team Enigma

Spot Drafting

NCC

Raghu Engineering College, an autonomous institution, hosted the prestigious 'NCC C-Certificate Practical Examination' on the 14th of February 2024. This significant event was organized by the 2(A) Girls Bn, VZM in collaboration with the 14 (A) NCC Bn. The examination took place at the Raghu Engineering College Grounds, which was a perfect venue for such an event. The examination was presided over by Col. Panda, the Commanding Officer of the 14(A) NCC Bn, SKLM. This event was a crucial activity for the NCC UNIT of the college, underlining the importance of the National Cadet Corps in fostering discipline and patriotism among students. A total of 160 cadets from various colleges under the battalion attended with zeal and demonstrated their practical knowledge and skills. The event also saw the presence of ANOs and PI Staff who are board members from the NCC Group, adding to the gravity of the examination. The successful conduct of the event reflects the college's commitment to holistic education and its support for national defense preparedness.

NCC Annual Training Camp ATC-1

The Annual Training Camp (ATC-1) was successfully organized from 1st May 2024 to 10th May 2024 at Pragathi Defence Academy, Kottthavalasa, VZM district. The camp, coordinated by the 3(A) Naval UNIT, VSP, was a collaborative extension activity involving all colleges under the 3(A) Naval Unit, VSP. A total of 24 cadets and one officer from our college participated in this event. This camp provided the cadets with extensive training, fostering discipline, camaraderie, and skills development. Activities included Swachhta (cleanliness drives), ship modelling workshops, sports competitions, firing practices, and cultural programs. NCC camp training was central to the camp, providing cadets with practical military knowledge and enhancing their physical and mental endurance. Over 600 cadets from various colleges participated, along with Officers and PI staff from the 3(A) Naval Unit. This camp not only enhanced the leadership and teamwork skills of the cadets but also instilled in them a strong sense of patriotism and dedication towards national service.

NCC CATC Camp-1

From May 6th to May 16th, 2024, a contingent of 30 cadets from the 2(A) CTR NCC Unit of Raghu Engineering College actively participated in the Combined Annual Training Camp (CATC) held at Korukonda Sainik School, Vizianagaram. The camp provided an immersive experience, aimed at enhancing the physical endurance, discipline, and leadership qualities of the cadets. Throughout the camp, cadets engaged in a variety of activities, including weapon training, drill practice, obstacle courses, and sports, which fostered a spirit of camaraderie and resilience among them. Under the vigilant supervision of experienced instructors, cadets also participated in enriching site visits, gaining insights into military routines and tactical operations. The camp not only instilled a deeper sense of patriotism and responsibility in the cadets but also equipped them with essential life skills.

Annual Training Camp-4 Event Report

The Annual Training Camp-4 organized by the 2(A) Girls Battalion, VZM was conducted at SITAM College, Vizianagaram, from May 27 to June 5, 2024. The camp, held in association with various colleges and schools under the 2(A) Girls Battalion, saw an enthusiastic participation of 54 cadets from our college's three girls' units, alongside over 600 cadets from different institutions. Under the expert guidance of officers and PI staff, the camp featured a range of activities aimed at building essential skills and fostering team spirit. The cadets actively engaged in Swachhta
(cleanliness) drives, cultural performances, trekking, site visits, and disaster management drills, equipping them with practical knowledge for handling real-life emergencies. Additionally, the camp included firing practice, first aid training, and impactful guest lectures that highlighted the importance of community service and discipline. A blood donation camp further underscored the spirit of social responsibility among the cadets. The event concluded on a high note with cadets displaying improved skills, resilience, and camaraderie, embodying the true spirit of the National Cadet Corps.

Ooty Trekking Camp

The Ooty Trekking Camp held from May 6, 2024, to May 15, 2024, was an exhilarating extension activity organized by the Tamilnadu and Puducherry Directorate in collaboration with the AP&T Directorate, with participation from various NCC groups from both states. The camp took place in the scenic hills of Ooty, where over 120 selected cadets engaged in a series of enriching and adventurous activities designed to foster discipline, teamwork, and resilience among the young cadets. This unique event featured cadets from multiple colleges, including two representatives from our institution, who immersed themselves in diverse activities such as cleanliness drives (Swachhta), cultural exchanges, trekking, site visits, and adventure activities. Each activity was meticulously planned to instill a strong sense of environmental responsibility, cultural understanding, and physical fitness. Through challenging treks and site visits, cadets experienced the rugged beauty of Ooty, while cultural events facilitated a deeper understanding of the region's heritage.

Faculty Acheivements

CSE

• Dr. Siva Ranjani Reddi, Professor, Program Head, participated and completed the 5-day Faculty Development Program (FDP) on EXPLORING EMERGING RESEARCH TRENDS IN COMPUTING TECHNOLOGIES: AI, ML, AND IOT (E2RTCT-2K24), organized by the Department of Computer Science and Engineering (NBA Accredited), MCKV Institute of Engineering, Howrah, West Bengal, India, in collaboration with Industrial University of Ho Chi Minh City, Vietnam, and technically sponsored by IETE Kolkata Centre from 19th to 23rd February 2024.MCKV Institute of Engineering, Howrah, West Bengal, India, in collaboration with Industrial University of Ho Chi Minh City, Vietnam, and technically sponsored by IETE Kolkata Centre from 19th to 23rd February 2024.

• Y. Satyanarayana Raju, Assistant Professor, has achieved Fortinet Certified Associate in Cybersecurity. Date of Achievement: February 1,2024.

• Mr.Ch.Chakradhara Rao, Assistant Professor, has been awarded Ph.D. Degree in Computer Science and Engineering from School of Engineering, Sri Satya Sai University of Technology & Medical Sciences , Sehore(MP) .

• Mr. Y V Nagesh,Assistant Professor , participated in Expert talk on "Financial Time Series Volatility Forecasting" organized by Department of Computer Science and Engineering, Chaitanya Bharathi Institute of Technology (CBIT) , Hyderabad- 500 075, Telangana, India., on 27th January, 2024.

• Mrs.G Bhargavi,Assistant Professor,from Raghu Engineering College For successful participation in a Five Day Online Faculty Development Program (FDP) on "Integration Of IoT & Blockchain To Implement Smart Education and Healthcare" jointly organized by the Department of Computer Science and Engineering of GMR Institute of Technology-Rajam and Department of Computer Science & Systems Engineering of Andhra University College of Engineering-Visakhapatnam from 26th February - 01st March 2024.

ECE

D. Ram Sandeep Associate Professor has published a paper titled "Functional analysis in the body environment for a circularly polarized hybrid reconfigurable textile antenna" in SCI Journal, Physica Scripta, Volume 98, ISSN: 1402-4896 in October 2023.

Dr. D. Ram Sandeep, Associate Professor published following Patents:
"Wearable Tri-Band High-Gain Textile Antenna for On-Body Wireless Communication Applications" (202341077999 A) on 29/12/2023.
"Decahedron Shaped Dual Element Mimo Antenna For Wireless Communication Applications At W-Lan, S And X Band Applications" (202341078003 A) on 29/12/2023.

Mr. V. Ravi Tejesvi, Assistant professor has participated an online FDP on "Recent Trends in VLSI: An Industry Perspective" organized by ANITS (A), Visakhapatnam from 25th to 30th Dec, 2023.

Mr. N. Srinivasa Gupta, Assistant Professor, Ms. M. Divya, Assistant Professor, Mrs. B. Priyanka, Assistant Professor, Dr. Akash Kumar Gupta, Assistant Professor, Dr. D. Ram Sandeep, Associate Professor, Mr. K. Chandra Sekhar, Assistant Professor and Mr. V. Ravi Tejesvi, Assistant Professor have participated an offline workshop on "Emerging & Convergent in access Technologies" organized by Dept. of ECE, Raghu Engineering College (A) in association with BSNL (TP), Visakhapatnam from 8th to 10th Dec 2023.

Mr. K.Chandra Sekhar, Assistant professor and Mr. N. Srinivasa Gupta, Assistant Professor have completed 12 weeks NPTEL online course on "VLSI Design Flow: RTL to GDS" and also received FDP certificate for the same course from July to October 2023.

Dr. Gupteswar Sahu, Associate Professor has Delivered talk on "Multi Resolution Analysis and Compression in Digital Image Processing" to PG students organized by Department of Physics, Andhra University in Dec 2023.

Mr. K. Chandra Sekhar, Assistant professor completed 12 weeks NPTEL online course on "Cloud Computing" and also received FDP certificate for the same course from July to October 2023.

B.Ganesh-223J1A0412-II-ECE
Ch.Yuva Sri-22985A0208-II-EEE

అమ్మను మించిన దైవము లేదు
నాన్నను మించిన ధైర్యము లేదు
ఇద్దరు ఒకరికొకరై విల్లల క‌ష్ముంబుకోరువర్తి
భవిత పునదికి అమ్మైతే భవిత బటను
నడివించేది నాన్నేయితే
నీ సత్తువేదో తెలుసుకొని నీపై
నమ్మకంబెట్టుకొని
నీ గమ్యానికి దరిజేర్చే వరత్యక్షప దైవలుర
నిన్ను గొప్పవాడిగా చూడలని తరించే సత్య
మూర్తులురా
ముసలిదనంబున దరినుండి వరి క‌ష్ముంబు
జూడుట నీ బిధ్యతరా
అప్పుడు గల్గును నీ జన్మకు సర్ధకతరా
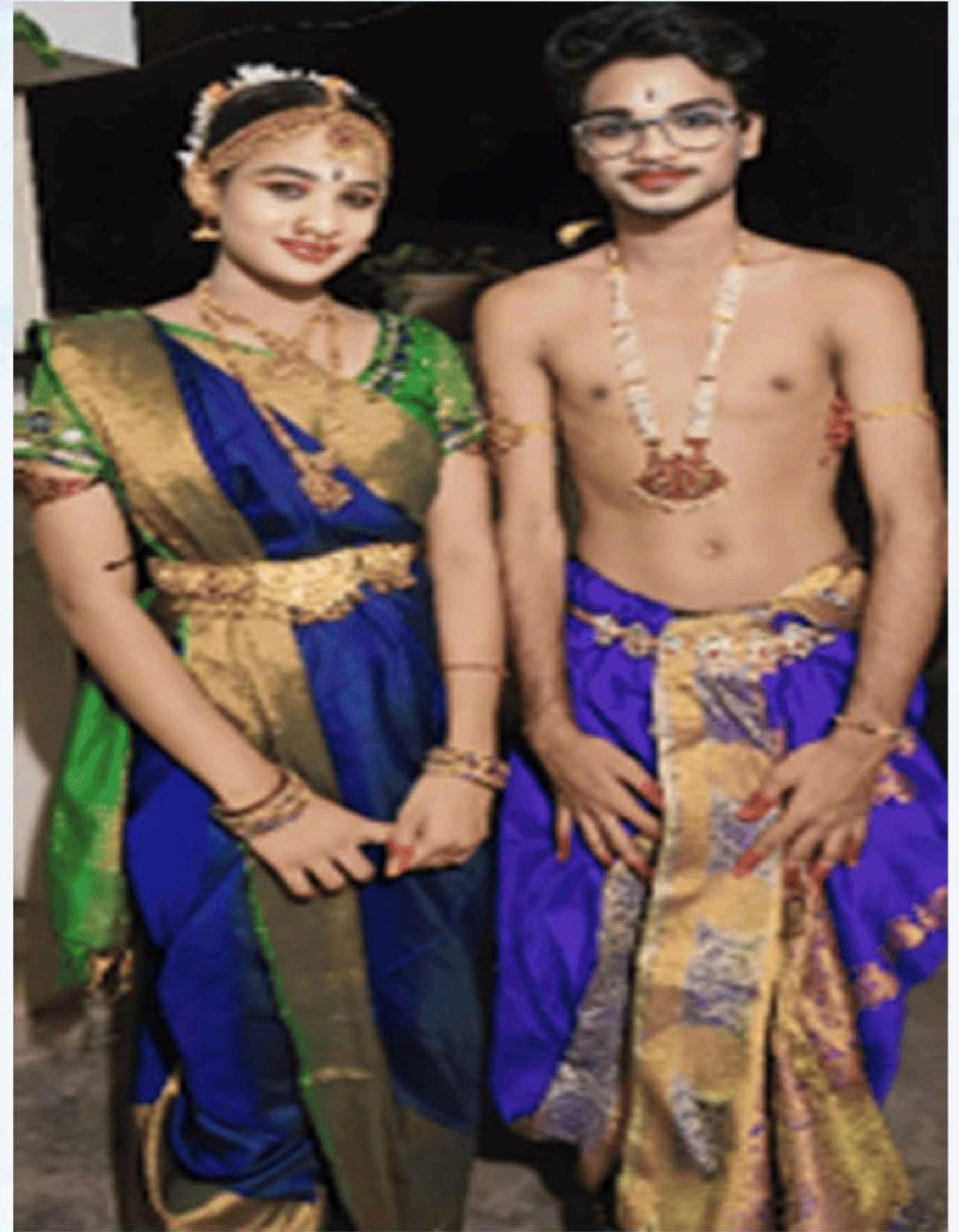
ఎంతమందిని పుట్టించవమ ఓ "భరతమాత"
ఎందరో మహానీయులనిఅందించవమ ఓ
"భరతమాత"

నోచుకున్న ఈ అవని మన భరతదేశమని
త్యాగమూర్తుల నిలయం ఈ పెద్ద
మహాగని
తవించే నీవు భరత కీర్తి చటలని
ఈ పుణ్యభూమి ఋణం తీర్చేది కదని
మా జన్మభూమి ఎపుడు ధన్యమని

పెరుగుతున్న పాపం తరిగిపోవలని
చేసుకున్న పుణ్యం మంచి జరగలని
దేశ ద్రోహులను తరిమికొట్టలని
కుళ్ళు రజకీయలకు స్వస్తి చెప్పవలని
మరొక మహానీయుడుని పుట్టించమని
వేడుకుంటు నీకు వందనం చేయలని

Mr. P.V.K. Durga Prasad,
Associate Professor,
ECE Department

Quantum Computing: The Next Frontier in Computing
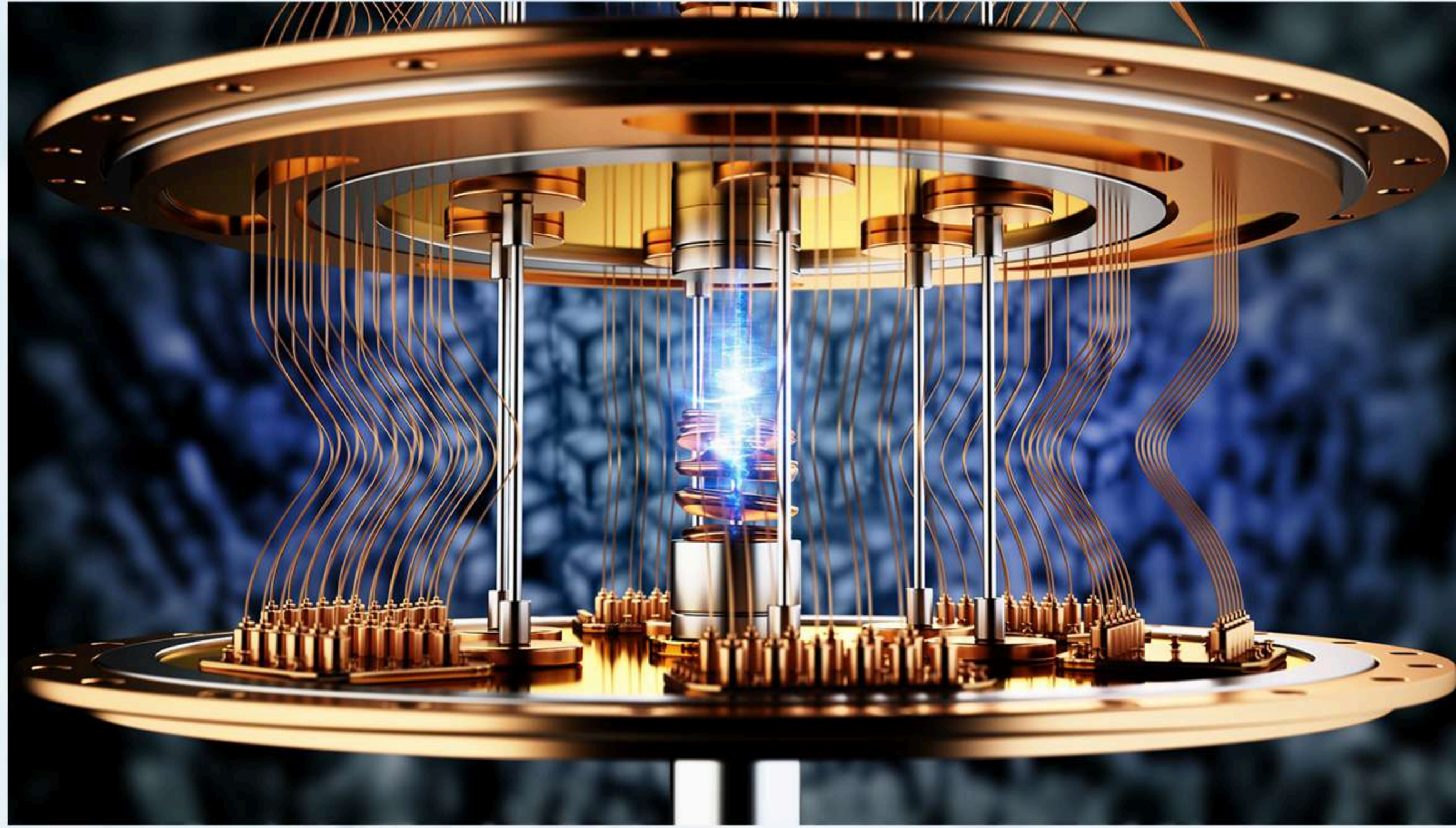
Quantum computing is set to redefine the landscape of computational technology. Unlike classical computers that process data in binary bits (0s and 1s), quantum computers use qubits, which can exist in multiple states simultaneously thanks to quantum superposition. This property enables them to solve problems that are intractable for classical systems, such as factoring large numbers, optimizing complex systems, and simulating molecular interactions for drug discovery.

Another fundamental quantum principle, entanglement, allows qubits to be interconnected in ways that enhance computational power exponentially. Current breakthroughs in error correction and quantum algorithms are bringing quantum computing closer to practical application. Quantum computing also promises advancements in secure communication through quantum cryptography, safeguarding data against cyber threats. Engineering students venturing into this field can contribute to groundbreaking applications in artificial intelligence, materials science, climate modeling, and financial modeling. The race to build scalable and reliable quantum computers has spurred collaboration across academia, industry, and governments, providing ample opportunities for innovation.

Dr.G.KIRAN KUMAR
PROFFESOR
HOD, Physics

# AI in Language Learning: Revolutionizing Education
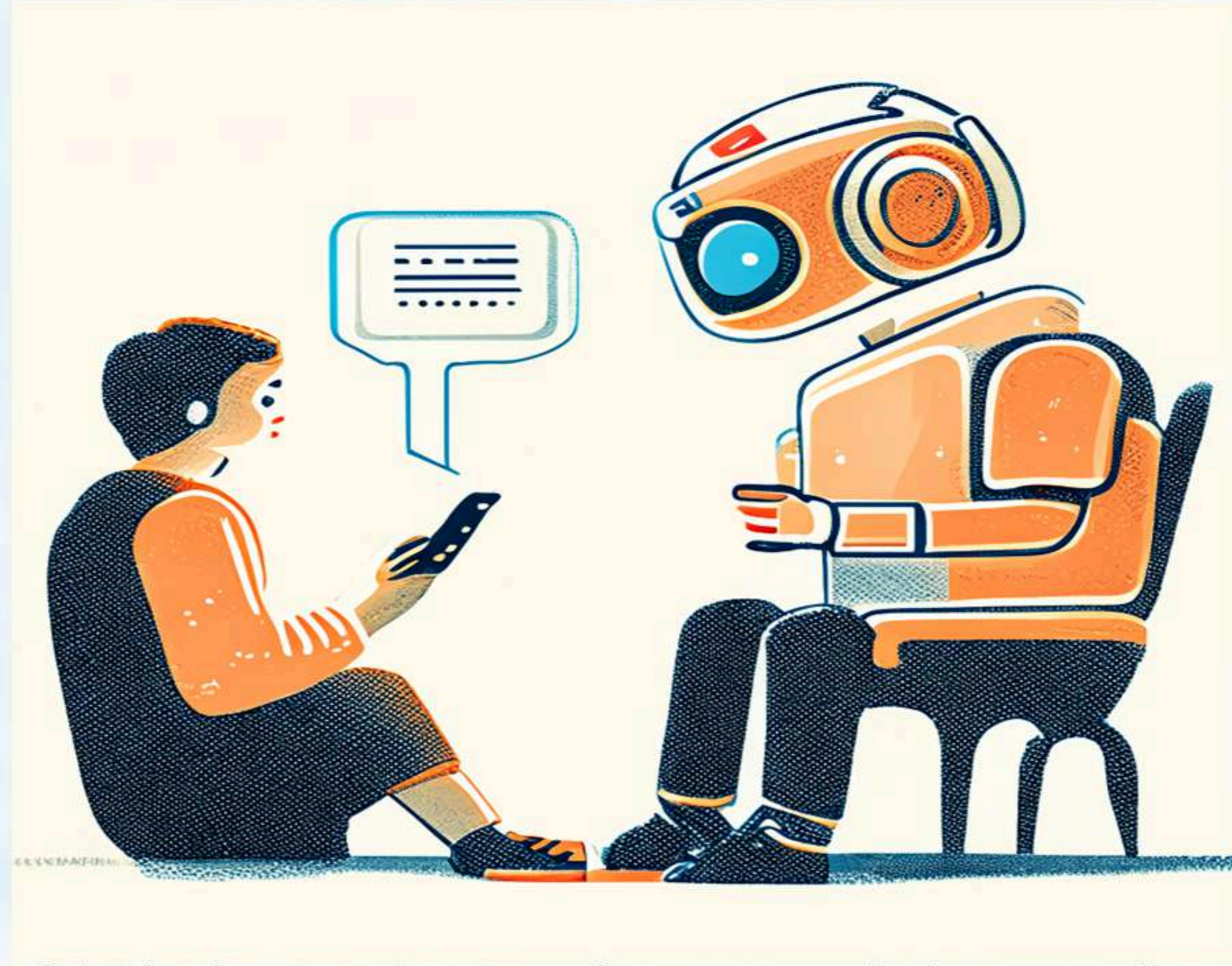
Artificial Intelligence (AI) has transformed how languages are learned and taught. Tools like Duolingo, Babbel, and Grammarly use machine learning algorithms to provide personalized learning experiences, real-time feedback, and adaptive lesson plans. AI-powered voice recognition and natural language processing enable learners to practice pronunciation and improve communication skills effectively.

The integration of AI into language learning also addresses accessibility, enabling people in remote areas to access quality education. Speech synthesis, augmented reality (AR), and virtual reality (VR) further enhance the learning experience, making it immersive and engaging. For engineering students, the development of such tools offers insights into machine learning, user experience design, and the societal impact of AI in breaking language barriers and promoting global collaboration. Additionally, ethical considerations in AI deployment—such as bias in language models—present a rich area for research and development.

Ms.K.BHANU KUMARI
ASSOC.PROF
ENGLISH

# Universal Human Values: Building Ethical Engineers
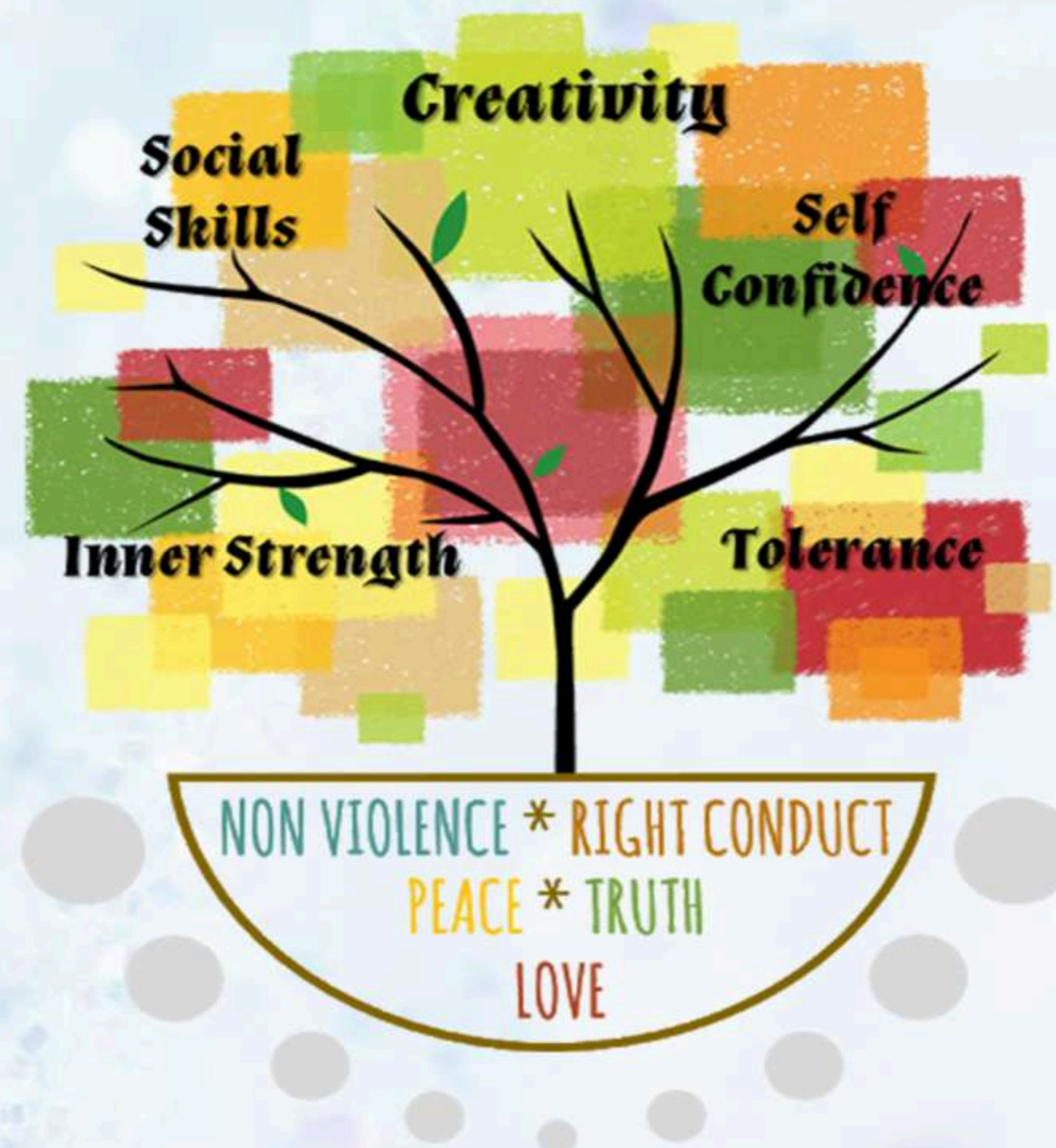
Universal Human Values (UHV) education is essential for engineering students, shaping their ethical outlook and holistic development. UHV emphasizes understanding oneself and fostering empathy, integrity, and a sense of responsibility towards society.

Incorporating UHV into the engineering curriculum ensures that students approach technological challenges with a human-centric perspective. Case studies on sustainability, ethical dilemmas in AI, and the impact of technology on society provide practical insights. Students are encouraged to reflect on their personal and professional roles, aligning their aspirations with societal well-being. In a rapidly advancing technological world, embedding values ensures that engineers design solutions that prioritize societal well-being and sustainability. These skills prepare students to tackle real-world challenges with a sense of purpose and responsibility.

Dr.R.S.K.SHARMA
ASSOC.PROF
CHEMISTRY,UHV

Topological Data Analysis: Mathematics Meets Big Data
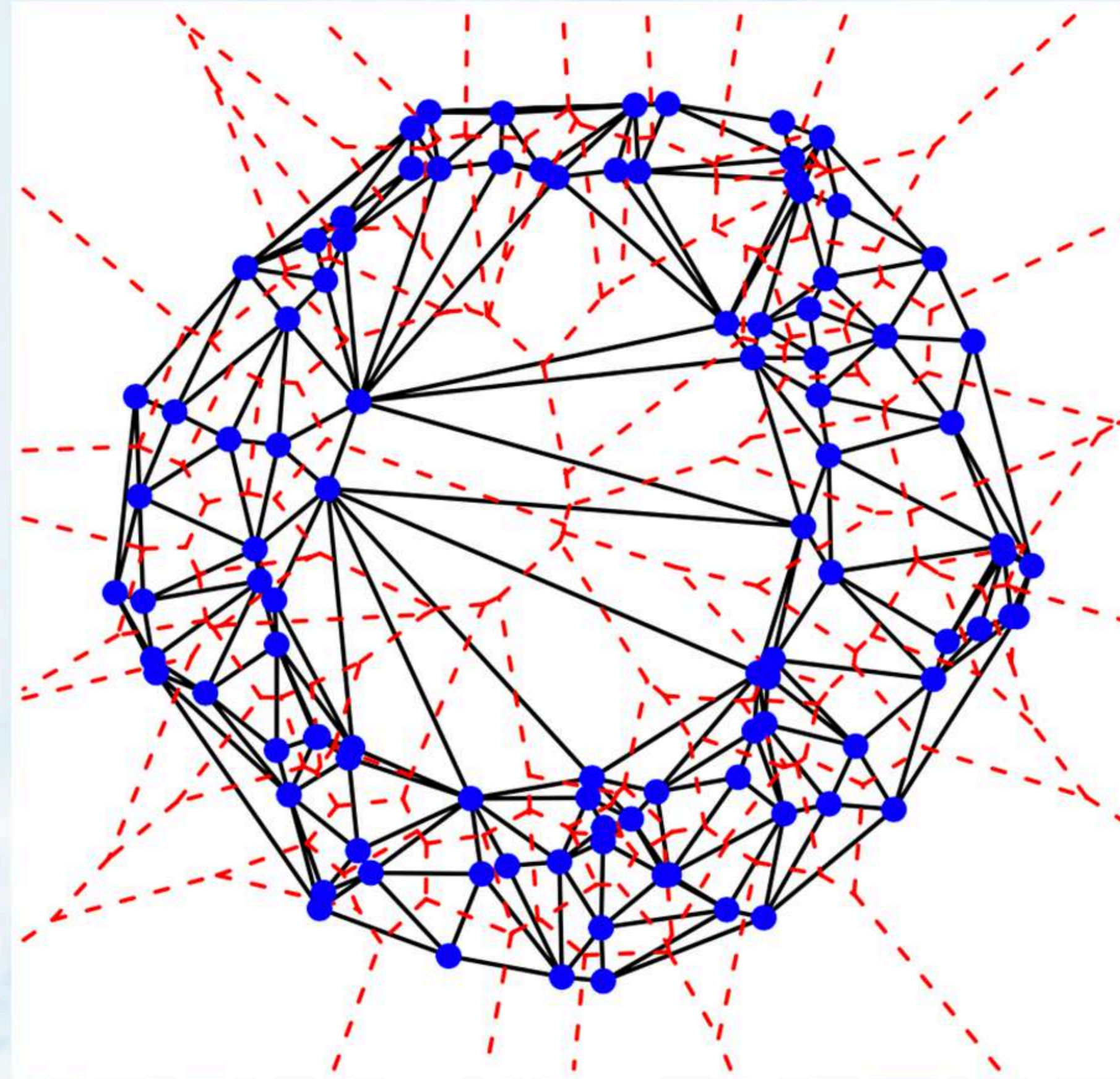
Topological Data Analysis (TDA) uses concepts from topology—the study of geometric properties preserved under continuous deformations—to analyze complex and high-dimensional data. TDA excels in identifying patterns and structures that traditional methods might miss, making it invaluable in fields such as neuroscience, image analysis, and machine learning.

Key tools in TDA include persistence homology, which identifies features in data across multiple scales, and mapper algorithms that create simplified representations of datasets. Applications of TDA are expanding to include genomics, financial analysis, and even social network analysis. For engineering students, this represents an exciting intersection of pure mathematics and practical application. Understanding TDA equips students to tackle challenges in data science and advance innovations in artificial intelligence, particularly in the visualization and interpretation of complex datasets. Collaborations with industries like healthcare and finance further highlight its multidisciplinary relevance.

U.SARAT
ASSOC.PROF
DEAN,I YEAR

Artificial Photosynthesis: A Step Towards Sustainable Energy

Artificial photosynthesis replicates the process by which plants convert sunlight, water, and carbon dioxide into energy. This technology aims to produce renewable fuels such as hydrogen and methanol, providing a sustainable alternative to fossil fuels. At the core of artificial photosynthesis are catalysts—substances that speed up the chemical reactions involved in splitting water molecules or reducing carbon dioxide.

Recent advancements in nanotechnology and material science have enabled the creation of more efficient and cost-effective catalysts. Beyond energy production, artificial photosynthesis also offers a pathway to carbon capture and storage, addressing global warming concerns. Research in this area involves a combination of photochemistry, electrochemistry, and bioengineering. Engineering students can play a pivotal role in advancing this technology by developing integrated systems that maximize energy efficiency and scalability. Collaboration with environmental scientists and policy makers ensures that artificial photosynthesis can transition from research to real-world application.

G.SOWJANYA
24981A441U
CSE(DATA SCIENCE)

Gravitational Wave Detection: Exploring the Universe's Secrets
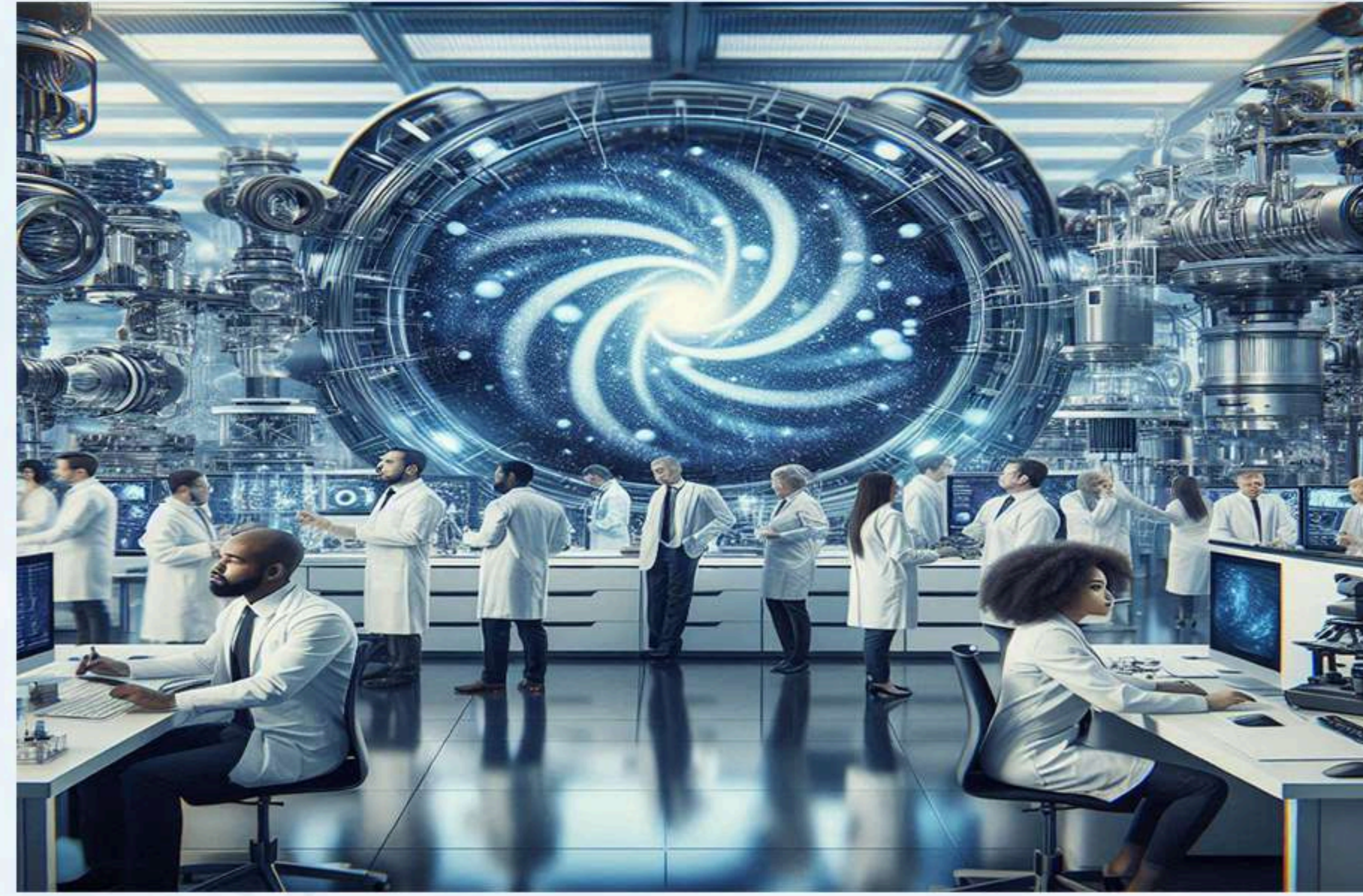
Gravitational waves, ripples in spacetime caused by cosmic events like black hole mergers, have opened a new window to understanding the universe. Since the first detection in 2015 by LIGO, gravitational wave astronomy has provided insights into phenomena that were previously undetectable. Detectors like LIGO and Virgo have been instrumental in these discoveries, and ongoing upgrades are incorporating quantum technologies to enhance sensitivity.

Advanced interferometric techniques and cryogenic cooling are being used to reduce noise and improve precision. Multi-messenger astronomy, combining gravitational wave data with electromagnetic and neutrino observations, is emerging as a revolutionary approach to studying the cosmos. These advancements not only deepen our understanding of fundamental physics but also provide a platform for interdisciplinary research. Engineering students can explore opportunities in precision instrumentation, computational modeling, and data analysis to contribute to this transformative field of astrophysical research.

M.OJASWINI
21981A04E1
ECE

Internet of Things (IoT): Connecting the World

The Internet of Things (IoT) is revolutionizing how devices interact by enabling seamless communication over the internet. IoT applications range from smart home systems and wearable health monitors to industrial automation and smart cities. These interconnected systems optimize resource use, improve efficiency, and enhance user convenience.

Advancements in IoT technology include edge computing, which processes data closer to the source, reducing latency and enhancing real-time decision-making. Innovations in sensor technology and low-power communication protocols are also driving IoT adoption. Engineering students exploring IoT can innovate in fields like sensor technology, cybersecurity, and data analytics. The IoT's potential to transform industries and daily life makes it a cornerstone of modern engineering education. Collaborative projects and hackathons provide hands-on experience in developing IoT solutions that address real-world problems.

K.SANDEEP
23981A4916
CSE(IOT)

# Renewable Energy Technologies: Pioneering a Sustainable Future
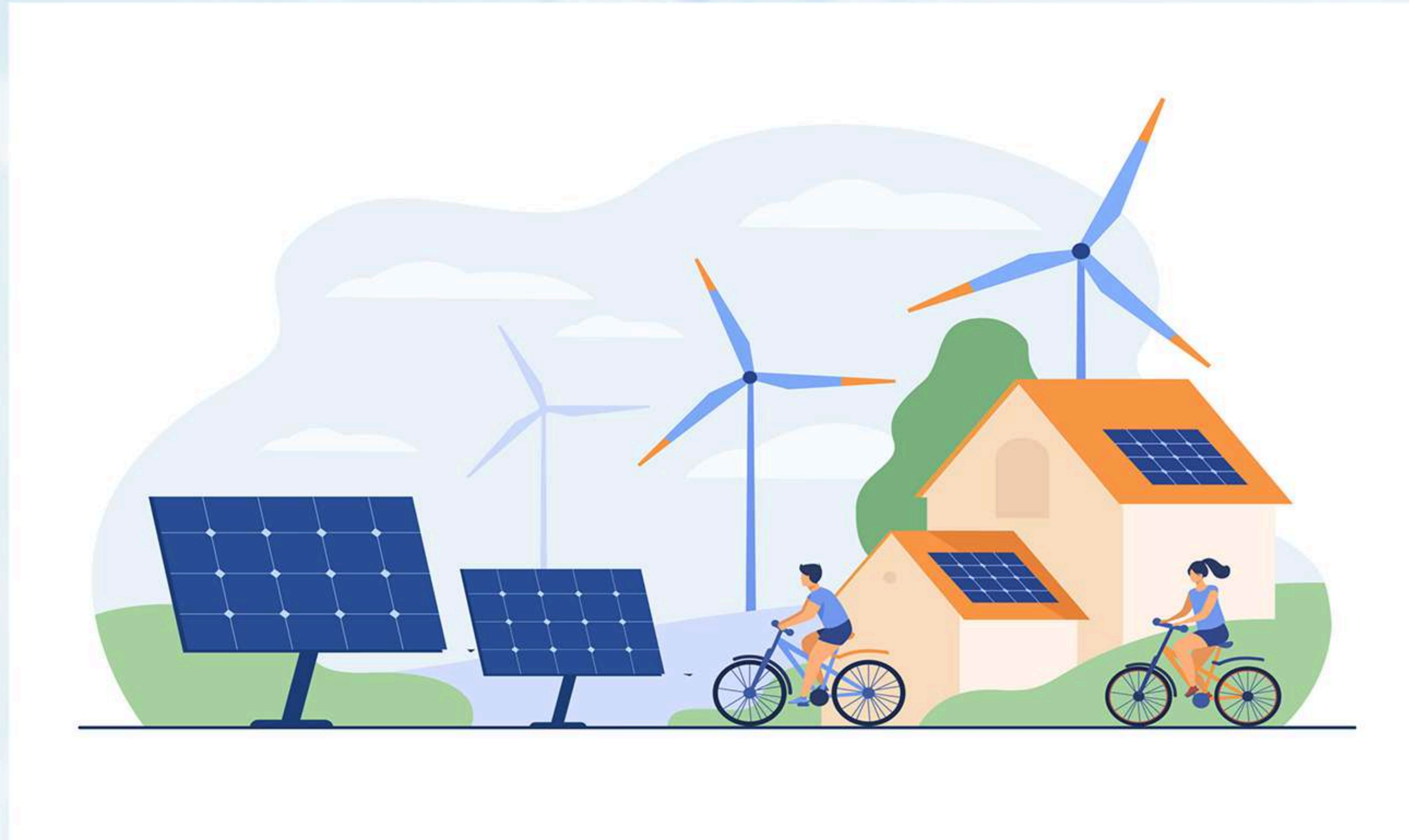
As the world faces the challenges of climate change, renewable energy technologies like solar, wind, and bioenergy are becoming increasingly important. Innovations in these areas focus on improving energy efficiency, storage systems, and integration into existing grids.

Breakthroughs in battery technology, such as solid-state batteries, promise to enhance energy storage capacity and reliability. Smart grids equipped with artificial intelligence optimize energy distribution and consumption. For engineering students, this field offers opportunities to address global energy demands while promoting sustainability. Research in renewable energy not only reduces dependence on fossil fuels but also aligns with international goals for a greener future. Collaborative efforts between academia, industry, and government are essential for scaling up these technologies.

G.RAVIKUMAR REDDY
23981A05A1
CSE

3D Printing: Redefining Manufacturing
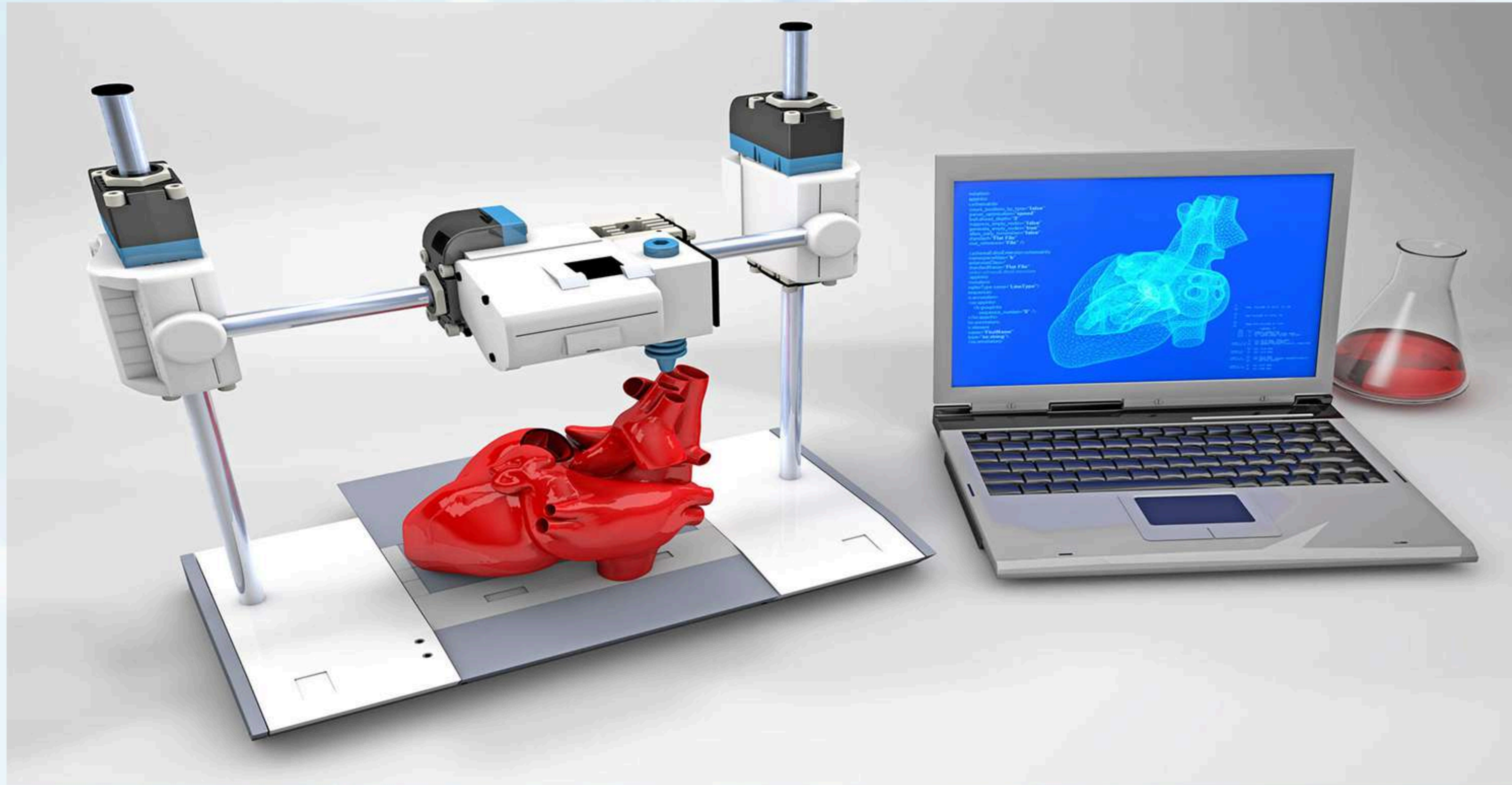
3D printing, also known as additive manufacturing, allows for the creation of complex structures with precision and minimal waste. From prosthetics in healthcare to lightweight components in aerospace, 3D printing has applications across various industries.

Emerging techniques like multi-material printing and bioprinting are expanding the capabilities of this technology. Engineers are now using 3D printing to create functional prototypes, architectural models, and even customized consumer products. This technology empowers engineers to prototype quickly, reduce costs, and innovate in design. Engineering students can explore materials science, robotics, and computer-aided design (CAD) to push the boundaries of what's possible with 3D printing. The democratization of manufacturing through 3D printing fosters creativity and entrepreneurship among students.

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Ethical AI:
Navigating Challenges and Opportunities

As Artificial Intelligence (AI) becomes integrated into every aspect of life, addressing its ethical implications is critical. Issues such as algorithmic bias, privacy concerns, and accountability in decision-making require careful consideration.

The development of explainable AI (XAI) aims to make AI systems more transparent and interpretable. Engineering students have a vital role in ensuring AI systems are transparent, equitable, and socially responsible. They can contribute to creating algorithms that are not only efficient but also align with societal values. By focusing on ethical AI, students can create technologies that uphold human rights, fairness, and inclusivity, ensuring that innovation serves the greater good. Public awareness and interdisciplinary dialogue are crucial in shaping policies and practices around AI deployment.

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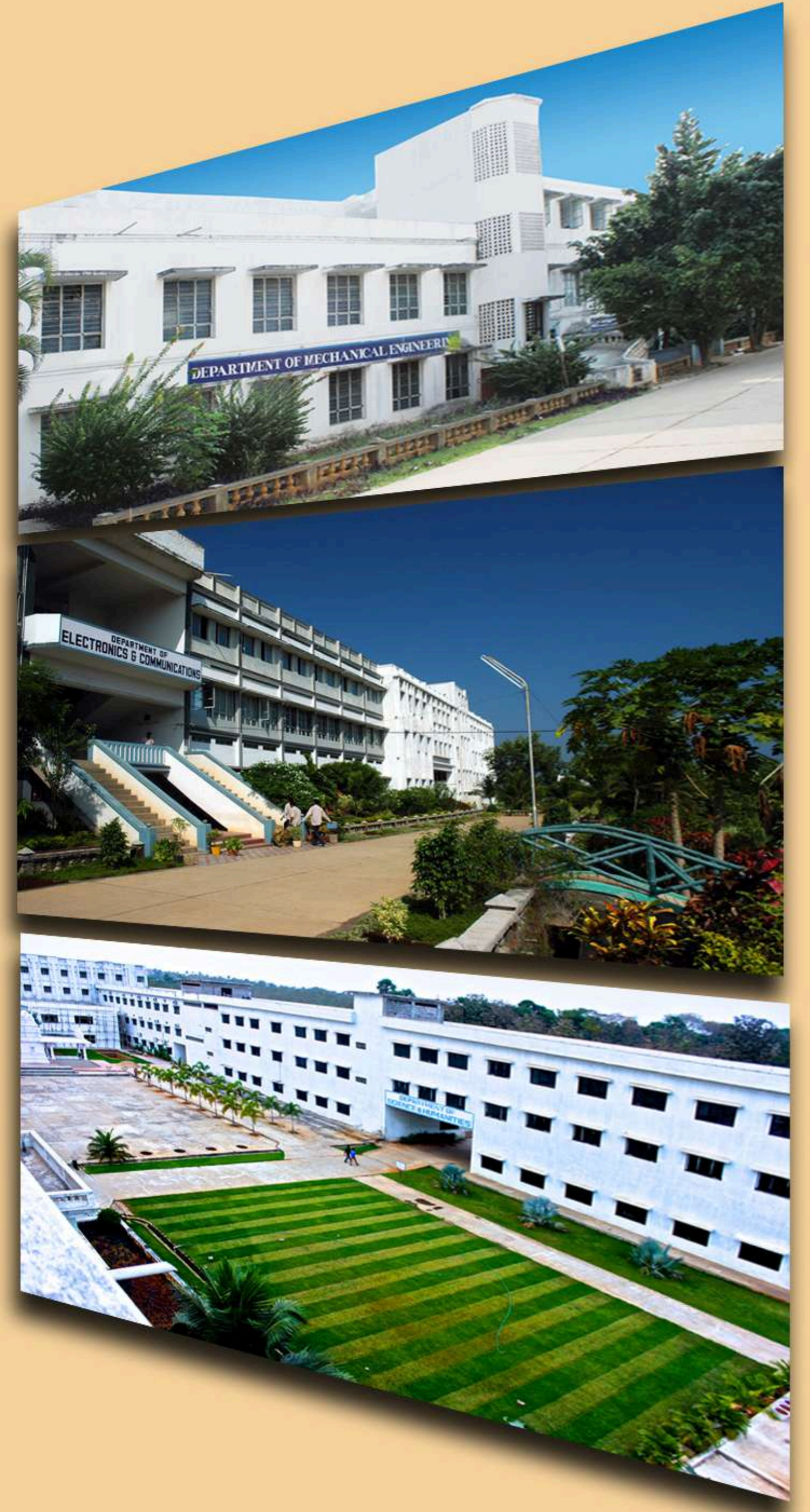
1241 Offers So far... in 2023-2024

accenture	**tcs** TATA CONSULTANCY SERVICES	**tcs** TATA CONSULTANCY SERVICES	**TECH mahindra**	**cognizant**	**vodafone**
253 Offers	20 Offers	** 403 **	31 Offers	49 Offers	2 Offers
6.5 LPA, 4.5 LPA	4.0 LPA	Shortlisted For Interview	3.25 LPA	4 LPA to 6.7 LPA	7.2 LPA
Deloitte.	**aMaDEUS**	**elektronics**	**krivia Automation**	**HEXAWARE**	**GoDIGIT**
6 Offers	3 Offers	3 Offers	20 Offers	43 Offers	8 Offers
4.5 LPA	12.8 LPA	5.3 LPA	6.0 LPA	6 LPA	7.5 LPA
TA DIGITAL	**alliantgroup**	**IntelliPaat**	**CORIZO**	**PLANETSPARK**	**Sunschool**
10 Offer	1 Offer	22 Offers	7 Offers	2 Offers	6 Offers
6 LPA	5.5 LPA	7.2 LPA	6.25 LPA	6.5 LPA	5.3 LPA
RINEX	**SUTHERLAND**	**VEM**	**ZF** see. think. act.	**PalTECH**	**NVH INDIA**
24 Offers	75 Offers	1 Offer	200 Offers	2 Offers	175 Offers
5.2 LPA	3 LPA	3 LPA	2.5 LPA	6 LPA	3 LPA
UTS Unistring Tech Solutions	**PS**	**iv**	**MEI**		
3 Offers	1 Offer	61 Offers	36 Offers		
4 LPA	4 LPA	5 LPA	2.27 LPA		