

GRIET eMagazine

OCT 2024 - FEB 2025

www.gemmagazine.home.blog



DIGITAL PLAYGROUND
PRAGNYA'S TECH TAKEOVER

FESTIVAL FLAMES
HOW NAVOTSAV LIT UP CAMPUS

TEDx GRIET

BEYOND THE SPOTLIGHT
TEDx GRIET'S SYNAPSE EFFECT

**DISCOVER
ALL OF
GRIET'S HAPPENINGS
INSIDE>>>**



Vision

To be among the best of institutions for engineers and technologists with attitude, skills and knowledge and to become an epicenter of creative solutions

Mission

To achieve and impart quality education with an emphasis on practical skills and social relevance



Dr.N.Krishna Chythanya
Faculty coordinator, GeM
Associate Professor, CSE Dept

Meet Our team

President



C Sreeka Parinishta

Vice-President



A Ritika Naidu

Chief Designer



Indu Vadana P

Chief Editor



N.L.Sreekar



Abdur Rahman

Deputy Head of Design

Designers



Sreevatsa



Nishwanth



Shiva Goud

Designers



Sumanth



Prasanna



Susanna



**Mohammad
Ahnaf Ali**



Sai Harshith

Content Writers



Vynika



Omanshu gc



P. Tejasri



Amulya K

Student Coordinators



**Sathvik
Kotipoyina**



**Maddula
Uday Venkat**



Lohitha



Emima

Table Of Contents

CHCECKMATE TO DESTINY	01
-----------------------	----

SPICES 2024	08
-------------	----

CSI - CODE & LADDERS	11
----------------------	----

AMANI	13
-------	----

PROJECT HITA	14
--------------	----

TEDXGRIET SEASON 6	16
--------------------	----

PROJECT EKADRISHTI	23
--------------------	----

FOSS FEST 2024	24
----------------	----

NSS BLOOD DONATION CAMP	27
-------------------------	----

Table Of Contents

X-KERNEL CLUB'S MEGA EVENT	29
GUIDE TO LIFE	31
NSS BLANKET DISTRIBUTION DRIVE	33
PROJECT RACHANA	35
THE NAVOTSAV STORY	36
PRAGNYA 24	42
PARICHARCHA	49
PRECISION ON WHEELS	50
AAC EXPO AND AWARDS 2024	51

Table Of Contents

ZSCALER WORKSHOP	53
MESSAGE FROM THE HEAD OF THE DEPARTMENT– ECE	56
STANFORD UNIVERSITY’S TOP RESEARCH INITIATIVES AT RAJ BHAVAN	57
GLOBAL HORIZONS:UNLOCK YOUR FUTURE AT CURTIN UNIVERSITY, MALAYSIA	58
VIRTUAL LABS: REVOLUTIONIZING PRACTICAL LEARNING IN THE DIGITAL ERA	60
ENGINEERING EFFICIENCY:INSIGHTS INTO HEAT EXCHANGER DESIGN OPTIMIZATION	62
THE MATHEMATICAL MIND	63
THE POWER OF INTELLIGENCE: TRANSFORMERS & CIRCUITS IN ELECTRICAL ENGINEERING	64
ECE OUTREACH ACTIVITY	65

Table Of Contents

EPITOME 25

67

REVERIE

74

SMART INVESTING: MUTUAL
FUNDS AWARENESS SEMINAR

75

ARTS

77

PHOTGRAPHY

83

– N.L. Sreekar, 21241A050C



A

CHESS



**Gukesh D Becomes
World's Youngest
Chess Champion
Challenger**

A historic milestone that shook India to its core unfolded when 17-year-old Grandmaster Gukesh Dommaraju triumphed at the 2024 Candidates Tournament, establishing himself as the next World Chess Championship contender. His success made him the youngest candidate to win in history and represented India's ongoing supremacy in chess.

Born in Chennai, the chess capital of India, Gukesh began his journey at the tender age of seven. The son of an ENT surgeon, he showed an early affinity for the game that would later become his life's calling. By 2019, aged 12 years, 7 months, and 17 days old, he had become the world's second-youngest Grandmaster in history, trailing Sergey Karjakin by only 17 days. Gukesh's ascent through the ranks resulted from his exceptional work ethic and determination, not only his inherent talent. He trained for up to twelve hours every day, which helped him create a style of play that combined exceptional strategic depth with aggressive tactical play.



His trademark was his ability to remain composed under duress and come up with original answers in challenging situations. Despite its challenges, the COVID-19 epidemic turned out to be a boon. The youthful prodigy trained harder during the lockdown, competing in multiple online competitions and honing his abilities against the best players in the world.



This era of dedicated development paved the way for his subsequent triumphs. The 2024 Candidates Tournament in Toronto served as the scene for Gukesh's biggest win. In a tournament full of dramatic twists and turns, his final-round win exemplified everything that makes him unique. In the midst of overwhelming odds, he remained composed during pivotal times, exhibiting mature decision-making that belied his age.



The winning sequence in his final game mirrored his style: a superb strategic sacrifice followed by exquisite tactical execution that astounded spectators and commentators alike. Gukesh's best success to date occurred at the 2024 Candidates Tournament in Toronto. In a tournament full of dramatic twists and turns, his final-round win exemplified everything that makes him unique.





Against all odds, he held his nerve in critical times, making mature decisions that belied his age. His style was well encapsulated in the victory sequence of his final game, with a stunning strategic sacrifice followed by exquisite tactical execution that astounded onlookers and observers. The always-calm Gukesh eventually let out a teary smile when victory was assured, realizing that he had just created history.

When word got out that Gukesh had won, the country went into a frenzy of jubilation. His accomplishment was hailed as a national victory everywhere, from the coffee shops of Chennai to the halls of power in Delhi. Social media was inundated with congratulations, and the hashtag #GukeshMakesHistory trended countrywide.



#GUKESHMAKESHISTORY

"A PROUD MOMENT FOR INDIA."

-PM NARENDRA MODI

"THIS IS MORE THAN JUST AN

INDIVIDUAL ACHIEVEMENT"

-VISHY ANAND

"IT'S A TESTAMENT TO INDIA'S CHESS REVOLUTION."



Prime Minister Narendra Modi congratulated the country on Twitter, citing it as "a proud moment for India." Vishy Anand, Gukesh's instructor and the nation's first grandmaster, spoke passionately about transferring the tradition to the following generation. "This is more than just an individual achievement," says Anand. "It's a testament to India's chess revolution." Gukesh's triumph signifies not merely a personal accomplishment but also the realization of India's strategic investment in chess advancement. Gukesh is at the forefront of a new generation of Indian players who are following in Vishy Anand's footsteps.

Thousands of young Indians are anticipated to be encouraged to play chess by his achievement, solidifying India's standing as a chess superpower. Within days following his victory, chess academies throughout India reported a surge in enrollment queries, underscoring the significance of his accomplishment right away. Gukesh represents the aspirations of 1.4 billion Indians as he gets ready for his World Championship battle. Yet, those who know him best speak of his unchanged humility and determination to progress. "This is just the beginning," he said in a post-victory interview. "There's still so much to learn, so much to achieve." His voyage from a chess-loving child to India's newest champion is not just a sports story – it's a narrative of determination, excellence, and the power of dreams. As India celebrates its newest chess hero, Gukesh Dommaraju stands as an inspiration to aspiring champions everywhere, demonstrating that with dedication and hard work, age is no barrier to achieving greatness.



SPICES 2024

A FEAST FOR TALENT AND TASTE AT GRIET

Celebrating Culinary Creativity and Teamwork at GRIET



On 8th December, GRIET Hyderabad turned into a hub of culinary creativity with the much-awaited Spices event. Organized to celebrate and promote the culinary skills of its students, Spices provided a platform for budding chefs to showcase their talent and compete in a spirited and flavorful environment.

From traditional delicacies to innovative fusion dishes, the variety on display was a feast for both the eyes and the taste buds. Spices 2024 aimed to encourage students to explore their passion for cooking and express their creativity through the art of food.

The event was open to students from all departments, creating a diverse and vibrant atmosphere where participants shared their unique recipes, techniques, and presentations. The event featured a series of engaging competitions designed to challenge the participants' culinary skills and ignite their competitive spirit.

SPICES 2024

Participants were tasked with creating a dish within a limited time frame, testing their speed, resourcefulness, and ability to think on their feet. This encouraged students to blend cuisines creatively, resulting in dishes that were as innovative as they were delicious. Participants showcased their skills in creating mouthwatering desserts that wowed the judges and audience alike.



Every dish was tasted by a panel of experts, including faculty members and guest chefs, who evaluated the dishes on parameters such as taste, presentation, and originality.

Winners in each category were honored with certificates and exciting prizes, while all participants received tokens of appreciation for their enthusiasm and effort.

The event concluded with a vote of thanks to the organizers and volunteers whose hard work ensured its success. Spices 2024 once again proved to be a highlight of the GRIET calendar, celebrating the culinary talents of its students and fostering a culture of creativity and excellence. Events like these not only provide a platform for showcasing talent but also strengthen the bonds of the GRIET community.



Beyond the competitions, Spices 2024 was a celebration of teamwork and camaraderie. Participants worked together, shared ideas, and supported one another, making the event not only a competition but also a learning experience. The audience, comprising students and faculty, cheered enthusiastically, adding to the vibrant and festive atmosphere. As the aroma of delicious dishes fades, the memories of Spices 2024 remain fresh, inspiring students to continue exploring their culinary passions.

- Omanshu .G,22241A0337



Code and Ladders: A Fun and Exciting Coding Contest

The Computer Society of India (CSI) Student Chapter at Gokaraju Rangaraju Institute of Engineering and Technology organized a highly engaging "Code and Ladders" event on November 30, 2024. This unique competition fused coding challenges with elements inspired by the classic game of snakes and ladders, delivering an immersive experience for all involved. The primary aim was to evaluate participants on their programming abilities and logical reasoning, adaptability, and strategic planning skills.

One hundred seventy-five coding enthusiasts participated in "Code and Ladders," eager to showcase their talents. The tournament comprised three elimination rounds that progressively increased in difficulty. Participants began with multiple-choice questions focused on coding concepts; those who answered correctly were allowed to advance up the ladder, while incorrect answers led to early exits from the competition. This initial phase guaranteed that only candidates with solid foundational knowledge proceeded further.

Subsequently, contestants faced pseudocode challenges in round two. Here, they were tasked with analyzing scenarios, interpreting details, and formulating logical sequences to offer solutions. This component assessed their critical thinking capabilities as well as their skill in translating abstract thoughts into methodical approaches. In the final round, tension escalated considerably as competitors participated in an intense coding challenge. They needed to solve intricate programming problems within strict timeframes while vying against some of the most complex minds present.

The interactive format associated with "Code and Ladders" distinguished it from conventional coding contests by establishing a vibrant atmosphere that promoted quick thinking, collaboration among peers, and effective strategizing. Thus, while assessing technical expertise was vital during this event, participants also honed valuable problem-solving skills under duress—qualities essential for success in today's programming landscape.

Beyond just a single-day event, the impact of Code and Ladders furthered the importance of logical reasoning, learning modern coding tools, and collaborative learning. It inspired students to take on new challenges, rise from their monotonous mold, and perfect coding techniques in a fun way. Great participation and enthusiasm together made the event Code and Ladders an inspiring and educational experience

The event's success will become the foundation for many more creative and interactive coding challenges to come, as they ensure that students will always push the envelope around their skills while enjoying the learning process.



-P. Tejasri [22241A3244]

AAMANI: THE ORGANIC APPROACH TO MINDFUL MENSTRUATION

- P. Tejasri,22241A3244

Organic sanitary napkins are a step in advance toward health-conscious and environment-friendly menstruation care products. This product is made with organic certified cotton, which is not grown with synthetic pesticides fertilizers, or genetically modified organisms. As such, organic sanitary napkins differ from chemical-drenched pads, where chemical additives, plastics, and artificial materials are usually involved in producing conventional pads. On 11th December 2024, the Aamani Event was conducted by the NSS wing of GRIET to create awareness of organic sanitary pads and to promote menstrual hygiene awareness. The event aimed at giving away free organic pads to the custodial staff working in the college and also to create menstrual hygiene, sustainability, and awareness.

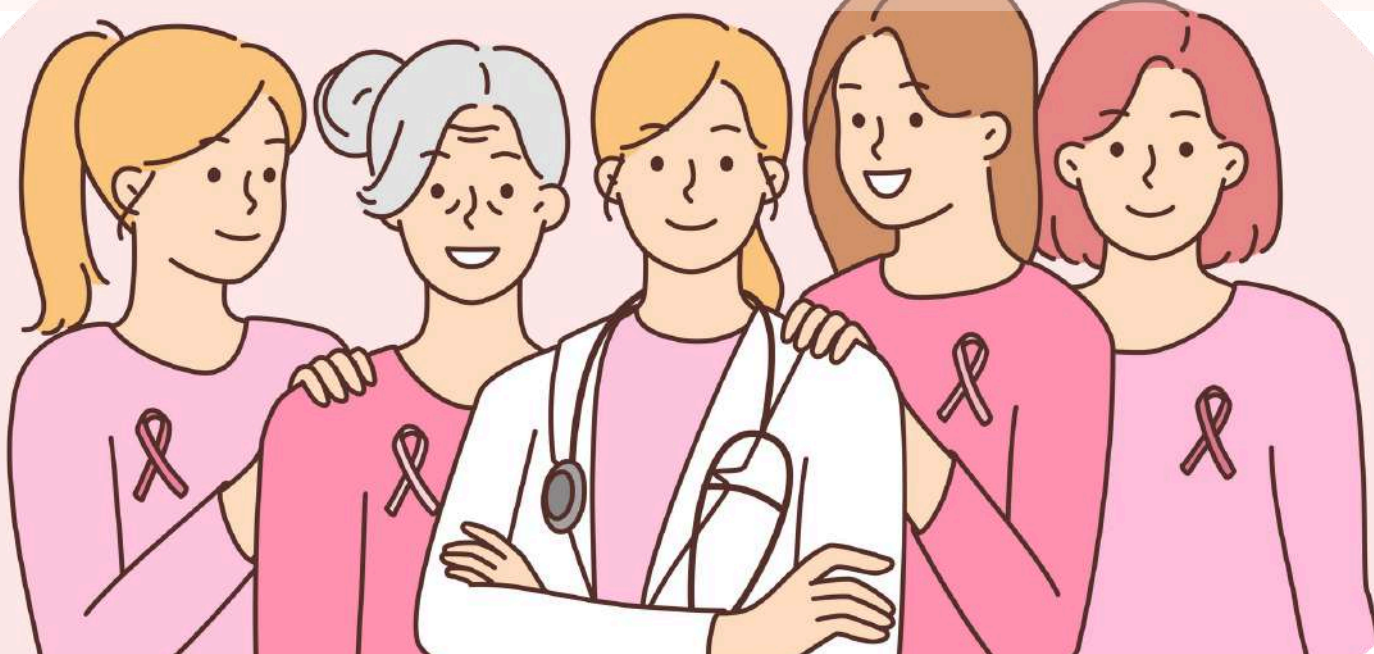
The pads were provided by Maheshwari Industries and the key highlight of the event was the distribution of 150 biodegradable sanitary pads. The session included in-depth discussions on why and how one should switch over to organic options. Conventional disposable pads sometimes include bleaching chemicals, synthetic absorbent polymers, plastics, and artificial perfumes, which could irritate sensitive people's skin and may cause allergic reactions. Organic sanitary pads are free from harmful chemicals and synthetic material, making them safer for the human body and more sustainable.

A special emphasis was placed on the environmental benefits of using organic sanitary products. The reduction in non-biodegradable waste and the decreased carbon footprint associated with organic pads were highlighted, encouraging participants to consider the long-term advantages.

Menstrual hygiene entails changing sanitary napkins on a regular basis, thoroughly washing hands, disposing of used items properly, and maintaining personal cleanliness. Wearing breathable, sanitary clothing reduces moisture accumulation and guarantees enough air circulation. A holistic approach to menstrual health and comfort can be achieved by consistently adhering to these routines.

The awareness session was quite interactive, allowing participants to pose questions and share experiences. The feedback received was largely very positive, with many expressing gratitude for the initiative and the value added through the information shared. Such events not only empower women but also create a feeling of community and responsibility to adopt eco-friendly practices.

In conclusion, the Aamani Event achieved its aim of raising awareness and promoting the use of organic sanitary pads among the custodial staff in the college. It also stands as a testament to spreading knowledge and resources for a healthier and a more sustainable future.





Project Hita: Strengthening Healthcare, Enriching Lives

-Omanshu .G, 22241A0337

On 22nd November 2024, Street Cause took a monumental step towards improving healthcare facilities in Bachannapet village, Jangaon, by successfully executing Project Hita. Spearheaded by the executive board members and coordinators, this initiative aimed at enhancing the village hospital's medical infrastructure to provide better healthcare services to the community. Access to quality healthcare is a fundamental need, yet many rural hospitals struggle due to a lack of essential medical equipment. Understanding this critical gap, Street Cause donated vital medical supplies to the hospital, ensuring that healthcare professionals could better serve their patients. The donation included a BP apparatus for accurate monitoring of blood pressure levels, IV stands to facilitate intravenous treatments, patient beds to improve comfort and care for admitted patients, height scales assisting in medical assessments,



operation theatre lights ensuring precision during surgical procedures, wheelchairs and stretchers aiding patient mobility and emergency care, and a refrigerator for storing medicines to preserve essential medications for long-term use. Each of these provisions was carefully selected to address critical medical needs and improve the hospital's efficiency in handling various health concerns.

The impact of Project Hita was immediate and deeply appreciated by both the hospital staff and the villagers. Dr. Ramesh Kumar, a senior physician at the hospital, shared his gratitude, saying, "The medical equipment provided by Street Cause has significantly improved our ability to treat patients efficiently. With better facilities, we can now offer improved care and quicker response times in emergencies.". Patients and their families also acknowledged the difference the project made. Anil Reddy, a resident of Bachannapet, remarked, "Earlier, the lack of proper medical equipment meant we had to travel long distances for even minor treatments. Now, with these new facilities, we can receive quality healthcare right here in our village." Village elders expressed their appreciation for the thoughtful initiative. Lakshmi Devi, a community leader, stated, "Good healthcare is essential for a thriving community. This initiative by the Street Cause was a blessing, and we hope to see more such efforts in the future."



Project Hita stands as a shining example of Street Cause's commitment to community welfare and development. By equipping the hospital with essential medical resources, this initiative has not only improved healthcare accessibility but also reinforced the importance of proactive social responsibility. As the villagers of Bachannapet now have access to better medical care, the success of Project Hita highlights the transformative power of small yet meaningful initiatives. With a steadfast commitment to service, Street Cause GRIET continues to drive positive change, ensuring a healthier, stronger, and more empowered society.

A JOURNEY THROUGH

A photograph of a woman with long dark hair, wearing a black blazer, speaking into a microphone at a podium. The background features a large red "TEDx" logo and the word "SEASON" repeated multiple times. A red banner at the bottom of the image reads "SEASON 6 SEASON 6 SEASON".

16

Impact 1

His presentation on real-time AI monitoring projects showed how strategic partnerships could result in direct deliverables, motivating the audience to seek impactful innovation.



SEASON 6 SEASON 6 SEASON 6

N 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEAS

ON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6

The Art of Listening

His experiences, including interactions with Dr. A.P.J. Abdul Kalam, were motivating to the audience, encouraging them to bring back the lost art of listening.

CHILKURI SUSHIL RAO



A woman with dark hair, wearing a grey sari, is speaking into a microphone. She is wearing a lanyard with a 'TEDx GRIET' badge. The background is dark red with the text 'PADMINTH PENME' in large white letters. To the right, there is a list of topics: 'Padminta Penme', 'psychology', 'prevention', 'emotions', 'burnout', 'visiting', 'discovery', 'new'. At the bottom left, it says 'SEASON 2'.

Section 3

SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEAS

Navigating the Digital Age

DR. ANIL RACHAMALLA



Success 5

SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6



Ayurveda & Modern Innovation

A photograph of two women on a stage. The woman on the left is wearing a bright red jacket and a lanyard with a badge. She is smiling and holding a book. The woman on the right is wearing a black blazer and a lanyard with a badge. She is also smiling and holding the book. The background is dark with some light spots and the letters 'A', 'E', and 'E' are visible.

AMRITHA GADDAM



Sport 7

SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6

The Art of Fashion and Storytelling

A man with dark hair and a beard, wearing a dark suit jacket over a black t-shirt, is speaking into a microphone. He is wearing a lanyard with a "TEDx" badge and a blue pocket square. The background is dark with a red glow. The text "FROM ILAM" is visible in the top left corner.

20

Acting 9

SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6 SEASON 6

A large group of students and faculty members, all dressed in black, are posing for a group photo. They are arranged in several rows, with some standing and some kneeling or sitting in the front. Many of them are giving a thumbs-up gesture. The backdrop behind them is dark with a starry pattern and the text 'TEDxGRIET' in large, bold letters. The 'TED' part is red and the 'xGRIET' part is white. The setting appears to be an indoor event space.



Project Ekadrishti

— A Step Towards a Better Tomorrow —

P. Tejasri [22241A3244]

Change begins small yet signifies all; Project Ekadrishti, led by Street Cause GRIET, strongly substantiates this belief. The initiative, spearheaded by EB members and coordinators, focused on resolving two major challenges related to providing drinking water and teaching resources to a government school in Bachannapet village, Jangaon.

On November 22, 2024, the team proudly installed a water filtration unit, thus providing the pupils with safe drinking water.

Clean water is vital for good health and concentration on school work. The facility will therefore reduce health risks among students, improve overall health, and enhance school attendance.

Additionally, the school was provided with a printer, as there is a need for printed learning materials in the education field. The printer will further enhance the process of developing worksheets, generating study materials, and preparing administrative documents, thereby enabling learning for both students and teachers. Well-resourced students are better involved in UDY, thus enhancing the educational experience. This initiative will have a positive impact on over 200 students by providing them with the necessary infrastructure, which propels their health and education. The effort from Street Cause GRIET has improved the school facilities, heightened the morale of the students and faculty, and kindled hope for a brighter future.



Project Ekadrishti has reiterated the importance of working together and in collaboration to achieve lasting change. It shows how projects led by students out of passion and determination can address and tackle real issues and make a positive change. Once again, by working towards a unified cause, the volunteers have shown how even modest contributions can cause a seismic shift toward transforming lives and trigger more citizens to join in these cooperative social welfare initiatives.


Ekadrishti, though small, speaks volumes about youth charitability in terms of community service. The overall dedication and commitment of the team show that small efforts can bring about big changes. Initiating insight towards the improvement of basic facilities sets an example for others to take the initiative and cease the fate of less-privileged communities. As we celebrate this success, we are either reminded or realize that true change comes about by action. With homogeneous work and a spirit of giving back, I think we can help achieve an inclusive and sustainable future for all.




FOSS Fest 2024

Celebrating Open-Source Innovation at GRIET

The Free Software Wing of GRIET Hyderabad hosted the much-anticipated FOSS Fest 2024 on 30th November 2024. This vibrant celebration of open-source technologies and community-driven initiatives was organized in collaboration with Swechha, an NGO dedicated to promoting free software and fostering open communities. The event brought together tech enthusiasts, students, and professionals to explore the exciting possibilities of open-source innovations and their integration with artificial intelligence (AI).



The event was meticulously planned and divided into two engaging halves, ensuring a perfect blend of learning and fun.



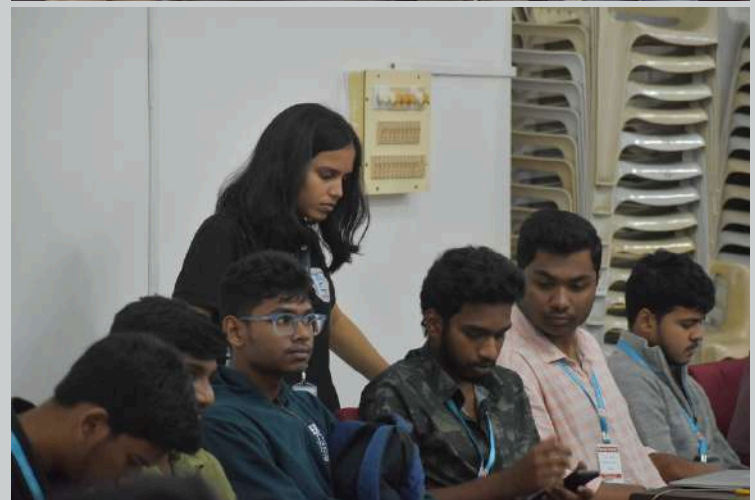
The first half of the fest featured an inspiring seminar that delved into the world of open-source tools and their synergy with AI. Esteemed speakers from Swechha shared their knowledge and experiences, shedding light on how open-source software drives innovation and collaboration.

Their talks encouraged participants to think creatively about leveraging these tools to solve real-world problems. The seminar left attendees motivated to dive deeper into the realm of open source and AI.

The second half of the event was packed with thrilling activities designed to test participants' creativity, knowledge, and technical prowess. These included:

A quick and engaging test on open-source concepts and trivia. A fun round that encouraged participants to create witty and original memes centered on open-source themes. Hosted on HackerRank, this contest challenged participants to solve programming problems within a set timeframe, showcasing their coding skills. A unique activity that requires participants to navigate through GitHub repositories, solving clues and uncovering hidden gems.

The energy and enthusiasm during these activities were palpable, as participants competed to showcase their skills and creativity. Each activity was designed not only to entertain but also to



educate and inspire a deeper appreciation for open-source technologies.

To celebrate the spirit of participation, every attendee received a participation certificate as a token of appreciation. The winners of each competition were awarded exciting prizes, adding an extra layer of motivation and joy to the event.



The prizes ranged from tech goodies to open-source swag, further encouraging participants to engage with the open-source community.

FOSS Fest 2024 was an overwhelming success, highlighting the importance of free software and the value of collaborative innovation. The event not only provided a platform for participants to learn and showcase their talents but also strengthened the community's commitment to the ideals of open source and shared knowledge. FOSS Fest 2024 will undoubtedly remain a memorable milestone in fostering a culture of learning collaboration and open innovation.

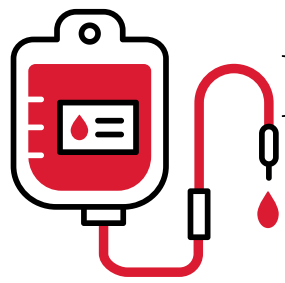
- Omanshu G, 22241A0337

SUCCESS

Dr. J. Praveen
Principal - GRIET

J. Praveen, the Principal, is a expert in per...
University...
a BHEL...
per...
Prave...
entor...
commit...





BUILDING BONDS THROUGH NSS BLOOD DONATION CAMP

On 12th November 2024, GRIET Hyderabad took a step toward making a difference by organizing a Blood Donation Camp in association with the Red Cross Society. The event, spearheaded by the National Service Scheme (NSS) of our college, showcased the collective spirit of our students and faculty toward contributing to society and saving lives. The camp, held on campus, was a wellcoordinated effort that brought together a large number of volunteers, donors, and medical professionals.



Preparations began days in advance, with NSS volunteers taking the lead in promoting the event across the college. Posters, announcements, and digital campaigns created awareness about the importance of blood donation and encouraged participation.

The day of the camp began with an air of enthusiasm and purpose. Students, faculty members, and even administrative staff came forward to register as donors. Before donation, each participant underwent a detailed medical screening conducted by experienced professionals from the Red Cross to ensure their eligibility and safety. The medical team guided the donors throughout the process, ensuring a smooth and stress-free experience.

The generosity of the GRIET community was evident in the overwhelming turnout. Donors were provided with refreshments and care after their contribution to help them recuperate quickly. NSS volunteers stood by to assist and encourage participants, exemplifying the spirit of service.



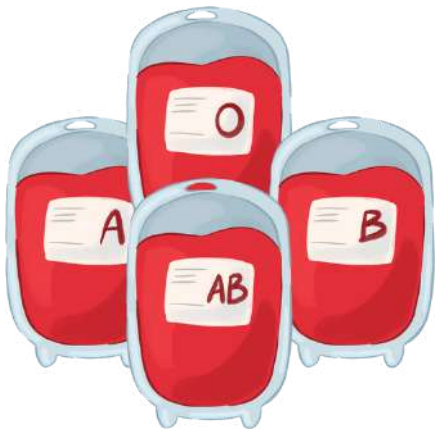
DONATION DRIVE

By the end of the event, the camp had successfully collected a remarkable number of blood units. Each unit donated represents not just a contribution but a lifeline for patients in need of critical medical care. The camp also served as an educational platform, emphasizing the importance of regular blood donation in addressing emergencies and saving lives.

The event received positive feedback from participants, highlighting the meaningful experience it offered. Principal Dr. J. Praveen Kumar and faculty members expressed their pride and gratitude toward the students and volunteers for making the event a success.



In addition to its humanitarian impact, the event also reinforced the ethos of teamwork, empathy, and responsibility among students. Such initiatives play a crucial role in nurturing a sense of social responsibility and citizenship among the youth.



Aayush Reddy from Mechanical Engineering shared, “Participating in the blood donation camp was truly fulfilling. It’s amazing to know that a small effort on our part can have such a big impact on someone’s life.”

Harshita from CSE showed similar sentiments, saying, “The event was very well-organized, and the NSS volunteers made sure everything went smoothly. It felt great to be part of something so impactful.”

The NSS team remained committed to organizing and supporting by taking initiatives that make a tangible difference in society. The Blood Donation Camp of 2024 stands as a beacon of hope and humanity, reminding us that a small act of kindness can save lives.





X-Kernel Club's MEGA EVENT: Where Talent Meets Creativity

N.L. Sreekar,21241A050C

In a colorful exhibition of technical acumen and innovation, Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) saw the X-Kernel Club host a day-long MEGA EVENT on December 6, 2024. The event, a mix of technical and non-technical events, saw student participation from approximately 400 students from different departments.

The event was hosted by the members of X-Kernel under the guidance of Dr.N. Krishna Chythanya, Associate Professor, Department of Computer Science and Engineering with Dr. B. Sankara Babu, Professor and Head of the CSE Department as convener. The X-Kernel Club student team was actively involved in the planning and execution of the event, which was held between 9:15 AM and 4:00 PM.

First-year, second-year, and third-year students were part of the mixed bag of activities hosted by different departments. The Department of Computer Science and Engineering took the lead with seven events hosted by Ms. B. Sindhuja, Assistant Professor. Five events were hosted by the IT Department under the coordination of Ms. Akhila, Associate Professor, while four events were hosted by the Department of Artificial Intelligence and Machine Learning under Ms. Rajani Parimala, Assistant Professor. The Department of Data Science and CSBS hosted four events under the coordination of Mr. Sharma, Assistant Professor. In addition, the EEE, ECE, Civil Engineering, and Mechanical Engineering departments collaborated to host two activities together.

Based on the event report, the MEGA EVENT was successful in achieving several Program Outcomes (POs), such as students improving their ability to design systems with real constraints, improvement in communication, development of lifelong learning skills, and creation and use of Computer Science and Engineering-related software tools.

The festival concluded with a prize distribution function to recognize excellent performances in all the competitions. Students and the organizers were content with the festival, which provided a platform for students to exhibit their technical know-how, analytical skills, and creativity, along with some recreational activities.

Mr. Gowtham, President, Ms. Keethana, Vice President, Mr. Santosh and Ms. Eesha along with other Club members and volunteers have given their best to organize the event successfully. Such events are a defining feature of GRIET's initiative to provide all-around growth to students beyond the classroom, preparing them for professional challenges through the real-world implementation of their abilities in competitive contexts.



GUIDE TO LIFE

N.L.Sreekar,21241A050C

TIMELESS WISDOM OF BHAGAVAD GITA

The Bhagavad Gita, commonly known as the Gita, is not just a religious text but a profound philosophical masterpiece that transcends time, culture, and religious boundaries. To highlight the importance of the Bhagavad Gita, the Department of Information and Technology (IT), GRIET has conducted a session on "Bhagavad Gita"

Nestled within the epic Mahabharata, this sacred dialogue between Lord Krishna and Arjuna on the battlefield of Kurukshetra offers a comprehensive guide to living a meaningful and purposeful life. It is a spiritual compass that illuminates the path of righteousness, self-discovery, and ultimate liberation



At its core, the Bhagavad Gita deals with the fundamental human dilemmas of duty, purpose, moral conflict, and spiritual evolution. It provides a holistic approach to understanding life's challenges, presenting philosophical insights that are as relevant today as they were thousands of years ago.

The Gita is a metaphor for how we fight battles within ourselves in our every lives. Just as Arjuna stands torn between positions on the battlefield, so does humanity battle constantly with; Moral dilemmas; The text helps people find complex ethical choices by letting them realize the importance of dharma-righteous duty above personal comfort or instant gratification.

Inner Conflicts; It teaches us to manage our internal battles, taking into account the importance of mental equilibrium and emotional intelligence

Purpose and Action; The Gita encourages purposeful action without attachment to its fruits, a concept that speaks to the heart of modern psychological thought about motivation and personal growth.

The Bhagavad Gita is full of life lessons for students beyond academics:

Management of Stress: The text gives powerful techniques to manage academic and personal stress and teaches detachment and mindful action.

Character Development: It emphasizes the importance of developing inner strength, integrity, and resilience in the face of challenges.

Holistic Learning: The Gita encourages a comprehensive approach to education that nurtures not just intellectual capabilities but also emotional and spiritual intelligence.

Goal Setting and Motivation: Teaching the concept of selfless action (nishkama karma), provides a unique perspective on achieving goals without being consumed by anxiety about results.

To sum up the Bhagavad Gita, here is a very powerful sloka from Chapter 2, Verse 47:

Karmany vadhikaraste Ma Phaleshu Kadachana,
Ma Karmaphalaheturbhurma Te Sangostvakarmani

Meaning: "You have a right to perform your prescribed duties, but you are not entitled to the fruits of your actions. Never consider yourself to be the cause of the results of your activities, nor be attached to inaction."

This verse from Gita defines its very essence.

Concentrate on your work; perform everything you do, devotedly; never bother about what would befall you because of your deeds. It is the most wonderful, universal call to live purposeful lives with purity and a peaceful mind.

It integrates Gita's wisdom in the current day's functioning of one and enables changes to approaches for coping with the circumstances and meaningful doing and the means for self-progress towards development.

Spreading Warmth: NSS GRIET's Blanket Distribution Drive

As the winter chill set in, NSS GRIET took the initiative to spread warmth and compassion through its Blanket Distribution Drive. Held on 5th December, the drive aimed to support those in need by collecting and distributing blankets to bring comfort to the less fortunate.

The collection drive was hosted where students, faculty, and staff came together to contribute wholeheartedly. Donations included new or gently used blankets and old blankets in good condition, highlighting the generosity and community spirit of GRIET.

Winter can be harsh for many, particularly for those without adequate shelter or resources to stay warm. A single blanket can mean the difference between enduring the cold and finding comfort. Recognizing this need, NSS GRIET organized the drive to make a tangible impact on the lives of the underprivileged. Beyond providing physical warmth, the drive symbolized the care and solidarity of the GRIET community, reminding everyone of the power of collective action.

The response from the GRIET community was overwhelming. Contributions poured in, with students from all departments enthusiastically participating. Faculty members also stepped forward, encouraging their students to spread the word and bring in as many donations as possible. NSS volunteers worked tirelessly to manage the collection process, ensuring that every donation was accounted for and prepared for distribution.

For many donors, the drive was more than just a chance to give back; it was an opportunity to reflect on their privileges and extend a helping hand to those less fortunate.



"Knowing that my small contribution can make someone's winter a little easier fills me with gratitude,"

shared Abhiram from CSE. This sentiment resonated throughout the campus, fostering a sense of unity and purpose.

Once the collection phase was completed, NSS volunteers sorted and packed the blankets for distribution. Partnering with local NGOs, the team ensured that the donations reached those who needed them the most. Distribution efforts extended to various locations, including homeless shelters and underprivileged communities in and around the city. The heartfelt gratitude of the recipients served as a reminder of the profound impact of such acts of kindness.

Once the collection phase was completed, NSS volunteers sorted and packed the blankets for distribution. Partnering with local NGOs, the team ensured that the donations reached those who needed them the most. Distribution efforts extended to various locations, including homeless shelters and underprivileged communities in and around the city. The heartfelt gratitude of the recipients served as a reminder of the profound impact of such acts of kindness. Volunteers who participated in the distribution shared their experiences of meeting the beneficiaries.

"The smiles and heartfelt thank-yous we received were incredibly moving. It made all the hard work worthwhile," said AAMIR, an NSS volunteer. Such moments highlighted the direct and immediate effects of the drive to improve lives.

The Blanket Distribution Drive 2024 is a testament to the power of compassion and community effort. NSS GRIET has once again demonstrated its unwavering commitment to social responsibility, inspiring students and faculty alike to contribute to meaningful causes. Events like these not only bring comfort to those in need but also instill a sense of empathy and service in the GRIET family.

As the drive concluded, it left behind a legacy of kindness and unity. NSS GRIET invites everyone to participate in future initiatives and continue making a positive impact. Together, we can create a better, warmer world for everyone.

PROJECT RACHANA

- OMANSHU .G,22241A0337



On 22nd November 2024, Street Cause successfully executed Project Rachana, a transformative initiative aimed at improving safety and infrastructure in Bachannapet village, Jangaon. This impactful task involved the installation of 100 streetlights, significantly enhancing visibility and security for the village residents.

With a budget of Rs 1,75,000, this project directly addressed a major concern faced by rural communities—the lack of proper street lighting. Poor visibility after dark often leads to increased risks of accidents, restricted movement, and heightened safety concerns, especially for women, children, and elderly residents. By installing these streetlights, Street Cause has successfully benefited over 6,000 people, ensuring safer roads, better mobility, and a stronger sense of security for the entire village. The villagers immediately felt the impact of Project Rachana. Residents expressed their heartfelt gratitude, emphasizing how this initiative has brought about a significant change in their daily lives.

"For years, we struggled with darkness after sunset. Walking home from work or school was always a challenge, and safety was a constant concern. Now, with these new streetlights, our village feels safer, and we can go about our routines without fear," said Ramesh Rao, a resident of Bachannapet. The women in the village, who often hesitated to step out after dark, also shared their relief. Suba Lakshmi, a homemaker, remarked, "Earlier, I used to be afraid to walk outside in the evenings. Now, I feel much safer. This project has truly changed our lives for the better."

Village elders were particularly appreciative of the initiative, recognizing its long-term benefits. Venkat Reddy, a senior community member, stated, "This is more than just installing streetlights; it is a step towards progress. We are grateful to Street Cause for making our village a priority and bringing positive change."

The success of Project Rachana stands as a testament to Street Cause's unwavering dedication to community service. This initiative aligns with their broader mission of uplifting rural communities through impactful interventions in infrastructure, education, and social welfare. The project not only improved the village's infrastructure but also instilled a renewed sense of hope and security among its residents. As the newly installed streetlights continue to brighten the paths of Bachannapet village, the legacy of Project Rachana serves as a powerful reminder that small initiatives fueled by compassion and commitment can create lasting change. Street Cause remains steadfast in its vision, striving to bring more meaningful projects that empower communities and pave the way for a better tomorrow.



Flowers and Festivity



The Navotsav Story

Batukamma and Dussehra are some of the greatest symbols of cultural resilience, women's strength, and the triumph of good over evil in the colorful mosaic of celebrations across India.

Team Rhythms managed to capture that spirit with its Navotsav event when the college campus came alive with vibrant cultural expressions.



Festivals are much more than tradition; they are living stories that bring people together, protect heritage, and build collective delight. Batukamma, a festival largely observed in Telangana and Andhra Pradesh, is a lovely tribute to women and nature. Women make gorgeous floral arrangements to honor the goddess Gauri, who represents feminine vitality, creativity, and prosperity. Dussehra, on the other hand, recalls Lord Rama's victory over Ravana and represents the global message of justice triumphing over darkness.



Navotsav evolved as an ideal venue for weaving together these significant cultural themes, showcasing how old holidays can be reinterpreted and celebrated with a modern flair. The celebration was marked by the attendance of prominent luminaries such as the Honorable Director, Principal, and Deans of several departments, who all contributed to its grace and passion. The traditional lamp-lighting ceremony established a spiritual tone, symbolizing the removal of ignorance and the introduction of heavenly insight.



A soulful prayer song opened the proceedings, highlighting Team Rhythms' vocal talents and creating a respectful environment. The Bathukamma festival was a visual extravaganza, with brilliant floral displays bringing the old tradition to life and creating a joyous atmosphere infused with cultural authenticity.



The Invincibles of Rhythms dance team put on a captivating performance that flawlessly combined classical and contemporary dance forms. Their inventive dancing exemplified how traditional art can be reinvented while retaining its essence.



The band Retrieve enhanced the evening with their amazing musical performance, bringing levels of excitement and rhythm to the festivities. The theater team's engaging performance and the vocalists' exquisite melodies enhanced the celebration, ensuring that all forms of artistic expression were recognized.



These festivities provide opportunities for spiritual introspection and group awareness that go beyond simple amusement. By learning and appreciating customs that have been passed down through the ages, they assist younger generations in reestablishing a connection to their heritage.



Team Rhythms' Navotsav was more than just a celebration; it was evidence of how vibrant Indian cultural customs are. The group produced a memorable event that honored diversity, inventiveness, and teamwork by skillfully fusing respect for tradition with artistic expressions.

As the vivid performances ended and the music faded, what was left was a strong sense of connection—to culture, community, and the timeless stories that continue to inspire and unify us.



PRAGNYA 24'

P. Tejasri [22241A3244]

PRAGNYA 24', THE FLAGSHIP TECHNO-CULTURAL FEST OF IEEE GRIET SB, WAS CELEBRATED ON 22ND AND 23RD NOVEMBER 2024, AT GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY. THIS EVENT BROUGHT TOGETHER STUDENTS, PROFESSIONALS, AND TECHNOLOGY ENTHUSIASTS FOR A TWO-DAY EXTRAVAGANZA, SEAMLESSLY INTEGRATING TECHNICAL BRILLIANCE WITH CULTURAL ARTISTRY AND COLLABORATIVE LEARNING. ENTIRELY STUDENT-ORGANIZED, PRAGNYA 24' STOOD AS A TESTAMENT TO INNOVATION, CREATIVITY, AND ACADEMIC EXCELLENCE.

IT INVOLVED DIVERSE TECHNICAL WORKSHOPS, COMPETITIONS, AND CULTURAL EVENTS THAT INSPIRED CURIOSITIES TO PARTICIPATE.

***A Celebration of Innovation,
Culture, and Talent***



The two-day "**MATTER MORPH**" workshop by Maker Global covered product development and 3D printing. Participants learned design, slicing software, and 3D scanning, with hands-on model preparation and printing on the second day.



The two-day "**FRAME BY FRAME**" workshop, in partnership with MAAC, covered 3D modeling in Maya and VFX integration. Participants engaged in practical demos, video editing, and color grading in Adobe Premiere Pro, concluding with a diploma ceremony.

The two-day "**GO GLOBAL**" workshop at PRAGNYA 2024 explored global trade and international business. Led by Dr. Enelli Murali Darshan and Ms. Riya (NSE), it covered market creation, exports, entrepreneurship, and career development.



Pragnya 24's highlight, **Rivora**, was a premier technical competition where teams tackled real-world problems. After initial rounds, the top six teams competed in a high-stakes finale, with the most innovative team winning.

The "**Code Golf**" competition at Pragnya 24' tested programming skills through three levels: C language, complex problem-solving, and writing the shortest, most efficient code under time constraints.



The "**Cipher Quest**" event at Pragnya 24' featured two levels—"The Chamber of Ciphers" and "The Decider"—testing problem-solving and teamwork. It blended logic, strategy, and competition, making for a successful and engaging experience.

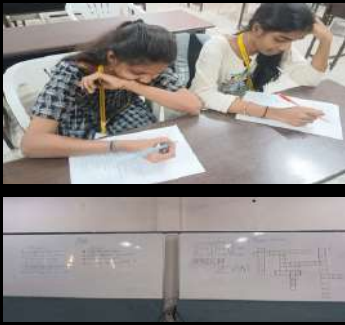
TECH TRIAD



The "**Tech Triad**" competition, which was held as part of Pragnya 24', was a dynamic event that put competitors' technological and coding skills to the test. The competition was divided into three levels, each with varying difficulty levels. The event was a success because it combined technical knowledge, problem-solving skills, and strategic thinking, allowing participants to demonstrate their abilities in a fun and competitive setting.

The "**Electro Enigma**" competition, held as part of Pragnya 24', tested contestants' knowledge of electronics and circuit design. The event featured two levels, which examined the participants' problem-solving abilities and technical knowledge.

ELECTRO ENIGMA



Pragnya 24' featured two competitive puzzle-solving events: "**Modern Wordle**" and "**E Brainzzz**". The "Modern Wordle" required solving three crossword puzzles, with the top 10-15 fastest solvers advancing to the next round. The "E Brainzzz" event was a quiz-based competition where players demonstrated their knowledge and problem-solving abilities.

The "**Soccer Bot**" event at Pragnya 24' was an exciting multiplayer competition in which people controlled robotic soccer bots during real-time matches. The game stressed strategy, teamwork, and rapid reactions, with the winner chosen by the highest score at the end of each round.



The "**Building Bridges**" event at Pragnya 24' was an engineering competition where teams designed and constructed DIY bridges capable of holding maximum weight. The event showcased problem-solving abilities and creativity, providing a competitive platform for aspiring engineers.

The "**Beyond the Blueprint**" event offered a platform for participants to showcase their architectural vision and presentation skills. Both events encouraged critical thinking, presentation, and communication skills, providing an opportunity for future architects to showcase their talents.



Pragnya 24' also celebrated non-technical pursuits, offering activities like the adventurous Treasure Hunt, the exhilarating Domination strength competition, and the quirky Spaghetti Challenge. The esports tournaments, including BGMI and Free Fire, drew gaming enthusiasts who showcased their strategies and skills in high-energy battle royale games.

The "**Treasure Hunt**" game was a team-based adventure where participants deciphered clues to find hidden treasures on campus grounds.



The Challenge Camp provides a variety of tasks for participants. The "**Thumbs Up Challenge**" encourages contestants to sip five Thumbs Up cocktails in 30 seconds to win cash prizes.

The **Pit Stop Challenge** measures body-mind synchronization, agility, and collaboration while also requiring balance, reflexes, and cognitive abilities.



The **Spaghetti Challenge** evaluates participants' precision and control by challenging them to break a single strand of uncooked spaghetti into two pieces in one go.



The "**Frenzy Brawl**" outdoor game was a thrilling event that required strategy, agility, and precision. The event "**Domination**", was a two-person challenge that evaluated strength, endurance, and agility. Teams had to complete four rounds, each with a rigorous three-minute time limit.

The "**Futsal**" event was an exciting small-sided football match with teams of three players each. On a smaller playing field, the game emphasized quick decision-making, ball control, and clever passing.



Box Cricket is a fast-paced game that combines the core of cricket with close-quarter play in a box-like space. With a team requirement of six, it offered an intense experience for all the students.



The **Warzone game**, inspired by the popular South Korean series "Squid Game," features four rounds of intense challenges to test participants' physical and strategic skills. The games include Dodgeball Challenge, Cornhole Toss, Guided Tapping Game, and Battleship Showdown.

The **BGMI tournament** was a competitive gaming event that drew players from all skill levels. Solo players and teams of four participated in an adrenaline-fueled battle royale setting alongside up to 100 other participants. The **Free Fire Tournament**, which featured 22 teams, was an exciting display of ability, strategy, and teamwork.



The **Art Contest** showcased creativity with nearly 130 entries, showcasing artists' unique styles and perspectives. The contest featured intricate drawings, paintings, abstract interpretations, and realistic portrayals. The artworks were displayed on the @pragnya_art_contest social media platform, providing a virtual gallery experience for the public.

A **humorous meme** contest was held, allowing participants to showcase their editing skills by manipulating content from the open domain. The resulting collection of memes, each unique, was showcased on the Instagram account @pragnya_meme_contest, attracting nearly 50 entries, and spreading laughter and amusement across the digital domain.



On November 23, 2024, Pragnya 24' celebrated its grand commencement with a cultural extravaganza. The event featured outstanding performances, including vibrant dance routines, melodious vocals, and a flash mob. Guided by the core committee, it allowed students to overcome stage fright and showcase their talents, leaving an unforgettable experience for all attendees.

Behind the scenes, the core committee of Pragnya 24' had been working on their part, and it would not have happened without them. Their dedication, leadership, and seamless coordination were the backbones of this unforgettable fest that inspired participants and audiences alike.



Pragnya 24' was more than just a fest; it was a celebration of ideas, creativity, and collaboration, leaving an indelible mark on everyone who attended.

PARICHARCHA:

A SPECTRUM OF OPINIONS

Amulya. K,23241A12F6

PARICHARCHA is an event conducted on 25th January 2025 in GRIET by team Spirals. Spirals is a literature club that presents students with an opportunity to embrace books, pushes them to wake the writer inside them, and sets up the stage for them to voice their thoughts and opinions while promoting team spirit. "Paricharcha - A spectrum of opinions" is an event based on a panel discussion on the topic-"Media in democracy, a threat to constitutional values." In this event, panel members who are well versed in the topic evaluated participants based on their fluency, content, originality, vocabulary, and time taken. The event was conducted by AICTE, celebrating the seventy-five years of adopting the constitution and establishing a republic.

To not be a frog trapped in a well, one has to explore other's perspectives about the matters of the world. An organized discussion on such an important topic can show an individual a new picture of the same old matters. Participants were at the edge of their seats to put their well-crafted statements on the table. They had a choice to both suppose and oppose the topic. They showed genuine concern for their nation's welfare and raised questions about the media's efficiency and dignity. They also highlighted how media is a savior for the public and acts as a bridge of communication between the public and government. Tables were turned by the cases that were discussed. A blast of diverse opinions resulted in participants gaining new insights. A few participants supported each other's statements, adding more value to the respective argument.

The panel members put the participant's knowledge to the test by asking them questions based on their statements. After carefully considering each participant's arguments, they decided on the winners. The first position was gracefully handed to Harish(24245A6601) from CSE-AIML, and the title of the second position was taken by Amulya(23241A12F6) from IT. The rewards the winners received are the books about emerging trends in Artificial Intelligence and Technology

Several students seized the opportunity to put forward their opinions in a place where every word uttered is valued. The objective of the event was to make the participants aware of the importance of constitutional values and level up their public speaking skills. The event instilled confidence in the participants and strengthened their communication skills. Slowly and steadily, every participant picked up the pace and contributed to making the event engaging and interesting. Mrs.S.T.G.Y Sandhya, the assistant professor, was the coordinator of the event, along with the members of Spirals, who successfully executed the event.



PRECISION ON WHEELS: THE SCIENCE BEHIND LOCOMOTIVE WHEEL MANUFACTURING

~ Vynika Deevi, 21241A3212

Locomotive wheels are one of the most critical components of railway engineering, ensuring durability, stability, and safety in high-speed and heavy-load operations.

On 15 November 2024, The Department of Mechanical Engineering organized A guest lecture on the "Locomotive Wheel Manufacturing Process" which provided a fascinating look into the materials, methods, and technological advancements that drive this essential industry.

Manufacturing locomotive wheels require high-strength alloys, typically carbon steel with elements like manganese and chromium to enhance durability, wear resistance, and thermal stability. These properties are essential for withstanding immense pressure, high-speed friction, and extreme weather conditions.

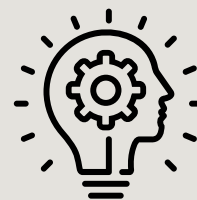
The lecture detailed the rigorous process of creating locomotive wheels, starting from forging and casting, where steel billets are heated and shaped under extreme temperatures. Some manufacturers opt for centrifugal casting to ensure uniform material distribution, enhancing strength and reliability.

Heat treatment is a crucial step in the process, with quenching and tempering used to achieve the desired mechanical properties. Induction hardening, a technique that strengthens the wheel rims, plays a vital role in ensuring longevity.



Advanced CNC machining techniques are then employed for precision profiling, followed by thorough quality testing. Every wheel undergoes ultrasonic and magnetic particle inspection to detect defects, ensuring flawless performance on the railway track.

The railway industry is witnessing significant technological innovations, including self-lubricating wheels that reduce maintenance costs, lightweight composite materials for improved fuel efficiency, and AI-driven predictive maintenance systems that monitor wheel conditions in real-time. These advancements revolutionize railway safety and efficiency, making locomotive wheel manufacturing a perfect blend of mechanical engineering, materials science, and automation.



AAC EXPO AND AWARDS 2024: *CELEBRATING INNOVATION AND EXCELLENCE*

The Advanced Academic Center (AAC) successfully organized its annual Expo and Awards Ceremony 2024, highlighting innovative student projects and celebrating academic excellence. The event, held at GRIET, brought 150 students and 33 innovative projects together, a first in the institution's pursuit of technological innovation and practical learning.

– N.L. Sreekar- 21241A050C

Awards Ceremony

The event was attended by a galaxy of industry leaders and academics. Mr. Siva Kumar Emmadi, Founder of ONS Ideas and Launch President at Vysya Business Network was the Chief Guest. Mr. Sriker Annangi, Director at General Electrics, was the Guest of Honor, while Dr. Balakrishna Pamulaparthi, Senior Engineer in Emerging Technologies at General Electric's Office of Innovation, was a guest. The event was enriched by the presence of eminent advisors such as Mr. Satish Yellanki (Founder of SkyEss Techno Solutions), Mrs. Pranali Bose (Machine Learning Engineer at DBS Bank), Mr. Naresh Kumar (Program Manager at NRSC, ISRO), Dr. Jandhyala N Murthy (Director GRIET), and Dr. J Praveen (Principal GRIET). The ceremony, held between 9:30 AM and 12:30 PM at the AIML Seminar Hall, was attended by 250 students and 20 faculty members. Some of the major milestones were achieved during the event. The launch of "Data Essentials - Learn and Apply," a book written by AAC students. The distribution of AAC Magazine 2024. The launch of the Open-Source Pool (OSP) repository, enabling global project sharing, Distribution of Letters of Appreciation (LoA) to meritorious students.

PROJECT EXPO

The expo showcased outstanding student projects in various domains:

Mobile Applications

Prominent projects were GRIET Events for internal campus communication, BreatheEasy for providing mental well-being support, and WildHaven for wildlife preservation. Each of these projects catered to specific community needs and showcased technical innovativeness.

Computer Vision Solutions

Projects including Bubble Score (automated OMR grading), AuthentiSign (document validation), and Bus Safety Automation featured practical applications of computer vision.

IoT and Machine Learning Innovations

Notable projects were the Sign Language Glove to facilitate better communication, Video Summarisation technology, and advanced applications in Speech Denoising and Fall Detection systems.

Web Development Platforms

Students created functional platforms such as CampusLink to connect students and alumni, RobinHood to provide menstrual hygiene, and Shark Pitch to connect startups with investors.

The AAC Expo and Awards 2024 showcases the potential of student-driven innovation, integrating theoretical knowledge with practical application. The event, attended by 150 students across 33 projects, showcased technical excellence and a deep understanding of societal needs and challenges.

The success of this year's event, supported by industry leaders and positive feedback, has set a new benchmark for future editions. The launch of initiatives like the Open-Source Pool repository promises to extend the impact of these innovations beyond institutional boundaries, potentially inspiring the global technical community.

The AAC Expo and Awards has become a catalyst for innovation, a platform for recognition, and a bridge between academic excellence and industry requirements.





REVOLUTIONIZING CYBERSECURITY: ZSCALER WORKSHOP AT GRIET

In an era where technology evolves at lightning speed, cybersecurity has become more critical than ever. To address this growing need, the GRIET SDC-SB provided an innovative way to cater to this essential demand by conducting an incredibly informative and well-designed three-day Workshop from 27 November 2024 to 29 November 2024, on Zscaler Cyber/Cloud Security and Digital Transformation in Hall 1.



The workshop was a convergence of academia and industry expertise, featuring eminent resource persons, including veterans like Mr. Abhir Naik from Zscaler, Mr. Venkat Sai, and Mr. Subhajit, CEO of EduSkills along with Dr. G.S. Bapiraju, Chief Instructor of SDC at GRIET. Their collective knowledge provided participants with a holistic view of cybersecurity and cloud security solutions.

ZSCALER WORKSHOP

The agenda of the workshop was ambitious yet precisely structured, focusing on familiarizing students with Zscaler's cutting-edge cloud security platform and its pivotal role in digital transformation. Participants were introduced to the fundamentals of Zscaler, learning how it revolutionizes secure access to cloud applications. Interactive sessions put more emphasis on the applicability of processes applied in detecting threats and immediate responses to cyber incidents. Industry leaders showed them how Zscaler integrates into modern organizations leading to secure digital transformation.

CYBERSECURITY
ZSCALAR



Day by day, participants were taken on a journey bridging the gap between what is taught in classrooms and what challenges occur in the real world. Hands-on training was something exceptional; students were put to work on live simulations and case studies while applying their learning under the watchful eyes of experts. The Zscaler workshop was not just about gaining technical skills; it was about opening doors to a future in cybersecurity. At the end of the three days, participants left with more than just theoretical knowledge; they carried with them the confidence to implement what they learned in real-world applications.

ZSCALER WORKSHOP

The most important takeaway from the workshop was the mindset it instilled in participants. It inspired a sense of responsibility, pushing students to think beyond individual skill-building to how they could contribute to a safer digital world. The discussions on digital transformation, sustainability, and security painted a broader picture of the challenges and opportunities awaiting them.



This activity also readied the students for possible Zscaler certifications, a great milestone in enhancing their resumes and careers. In this competitive job market, such certifications make all the difference, giving someone that edge. The Zscaler workshop was more than an event; it was a movement toward excellence. We extend our heartfelt gratitude to the resource persons, organizers, and participants who made it such a memorable success.

P. Tejasri ,22241A3244

Message from the Head of the Department– ECE

– Dr. Ch Usha Kumari, Professor & HoD, Dept of ECE

AS THE HEAD OF THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE), I AM HONORED TO LEAD A TEAM OF DEDICATED FACULTY MEMBERS AND TALENTED STUDENTS IN SHAPING THE FUTURE OF TECHNOLOGY. OUR DEPARTMENT STANDS AS A BEACON OF INNOVATION, DRIVING ADVANCEMENTS THAT IMPACT INDUSTRIES AND SOCIETY AT LARGE. FROM FUNDAMENTAL CIRCUIT DESIGN TO CUTTING-EDGE COMMUNICATION TECHNOLOGIES, WE ARE COMMITTED TO FOSTERING EXCELLENCE IN EDUCATION, RESEARCH, AND INDUSTRY COLLABORATION. THE ECE DEPARTMENT OFFERS A COMPREHENSIVE CURRICULUM INTEGRATING THEORETICAL CONCEPTS WITH HANDS-ON PRACTICAL TRAINING. THE DEPARTMENT IS A HUB FOR CUTTING-EDGE RESEARCH, WITH FACULTY AND STUDENTS ENGAGING IN PROJECTS THAT SHAPE THE FUTURE.

ECE IS A FIELD THAT BLENDS ELECTRONICS, SIGNAL PROCESSING, EMBEDDED SYSTEMS, AND COMMUNICATION TECHNOLOGIES. IT PLAYS A CRUCIAL ROLE IN TELECOMMUNICATIONS, AUTOMATION, HEALTHCARE, AEROSPACE, ARTIFICIAL INTELLIGENCE, AND CYBER SECURITY INDUSTRIES. THE ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT IS MORE THAN JUST AN ACADEMIC DIVISION—IT IS A LAUNCHPAD FOR ASPIRING ENGINEERS TO INNOVATE, EXPLORE, AND TRANSFORM THE TECHNOLOGICAL LANDSCAPE. WITH A PERFECT BLEND OF THEORETICAL FOUNDATIONS, HANDS-ON EXPERIENCE, AND RESEARCH-DRIVEN LEARNING, ECE REMAINS AT THE FOREFRONT OF ENGINEERING EXCELLENCE, PAVING THE WAY FOR A SMARTER AND MORE CONNECTED WORLD.

THE FUTURE OF ECE IS BRIGHT AND DYNAMIC, DRIVEN BY ADVANCEMENTS IN 5G, AI, IoT, SPACE COMMUNICATION, AND SUSTAINABLE ENERGY SYSTEMS. WITH THE RAPID EVOLUTION OF TECHNOLOGY, THE DEPARTMENT CONTINUES TO EVOLVE, EQUIPPING STUDENTS WITH THE SKILLS AND KNOWLEDGE NEEDED TO LEAD THE NEXT WAVE OF INNOVATION.

Stanford University's Top Research Initiatives at Raj Bhavan

-Dr.A.Anitha Lakshmi, Mech HOD

It is a matter of great pride and privilege to witness the exemplary efforts of Stanford University in establishing innovative research platforms in India. Recently, under the leadership of eminent personalities like Dr. Ramesh Bhaiya and Mr. Sameer Kumar Singh, Stanford University has expanded its academic and technological outreach to Hyderabad. This landmark initiative is aligned with the institution's goal to promote global knowledge-sharing and collaborative research.

The inaugural event, held at Raj Bhavan, showcased Stanford's commitment to advancing groundbreaking research in key areas such as artificial intelligence, machine learning, bioinformatics, and clean energy solutions.

These sectors are vital not only for academic growth but also for addressing pressing societal challenges, including climate change and healthcare accessibility. Dr. Ramesh Bhaiya, known for his expertise in interdisciplinary research, emphasized the role of technology in revolutionizing traditional industries. Similarly, Mr. Sameer Kumar Singh highlighted the importance of fostering industry-academia collaboration to create a sustainable future.

The highlight of the initiative was the establishment of a dedicated research center named after the revered Gokaraju Ranga Raju, who has been a stalwart in promoting higher education and innovation in India. This center will serve as a hub for researchers, academicians, and industry leaders to work together on impactful projects. Its core focus will be on areas such as robotics, green technologies, and biomedical engineering, which have far-reaching implications for societal welfare.

Stanford's collaboration with Indian institutions, including IIT Hyderabad and other reputed organizations, further reinforces the essence of global partnerships. The research center aims to train and mentor young researchers while providing them with the opportunity to work on real-world problems using advanced methodologies and tools.

The initiative is expected to create a ripple effect by attracting investment and generating employment opportunities in cutting-edge domains. This will not only benefit the state of Telangana but also bolster India's position as a global leader in science and technology.

As the Head of the Department of Mechanical Engineering, I am thrilled to witness these transformative developments.

4 Ranga Reddy

INDIAN CHRONICLE

TUESDAY 24 SEPTEMBER 2024

Stanford University & Elsevier Recognize GRIET Professors as Top 2% Scientists Worldwide

In a remarkable achievement, two faculty members from Gokaraju Ranga Raju Institute of Engineering and Technology (GRIET), an autonomous institution under JNTU, Hyderabad, have been named among the top 2% of scientists worldwide by Stanford University, USA, and the publishing business Elsevier. The prestigious list, which is divided into two categories: career-long research and research in 2023, includes Dr. Swadesh Kumar Singh, Professor and Dean (Research & Development), and Dr. Ram Subbiah, Professor from the Mechanical Engineering Department at GRIET. This is the second consecutive year these esteemed professors have been recognized for their exceptional research contributions. The list, which comprises the world's leading researchers and

accounts for around 2% of all scientists globally, is based on standardized statistics on citations, h-index, and a variety of bibliometric indicators. The Management of GRIET has congratulated both professors on their remarkable achievements, which not only elevate their personal careers but also enhance the reputation of the institution.

"We are immensely proud of Dr. Swadesh Kumar Singh and Dr. Ram Subbiah for their outstanding contributions to the field of research," said Dr. Praveen Juge, Principal and Dr. Jandhyala N. Murthy, Director at GRIET. "This recognition from Stanford University and Elsevier is a testament to the excellence and dedication of our faculty, and it will inspire our

students and the broader academic community to strive for greater heights. The inclusion of these two GRIET professors in the prestigious list of top 2% scientists worldwide is a significant achievement that

highlights the institution's commitment to fostering a culture of research and innovation. It also underscores the global impact of the work being carried out by the faculty at GRIET.



This initiative sets a benchmark for our students and faculty, inspiring us to pursue excellence in education and research. We extend our heartfelt congratulations to Stanford University and its collaborators for their visionary efforts and look forward to contributing to these endeavors.

Embarking on an international academic journey can transform your future, the Department of Artificial Intelligence and Machine Learning (AIMLE), GRIET hosted an engaging awareness program on 11 November 2024 for abroad studies and internships at Curtin University, Malaysia. The event provided students with valuable insights into opportunities for global education and skill enhancement at one of Asia's top universities. With a reputation for academic excellence, Curtin University offers a gateway to a world-class education and a global career. Curtin University, Malaysia, is renowned for its diverse curriculum, research-driven environment, and strong industry connections. The awareness program highlighted Curtin's cutting-edge structure, globally recognized degrees, and abundant opportunities for international exposure. It emphasized how studying in Malaysia offers the perfect balance of quality education and affordable living costs, making it a practical choice for aspiring global citizens. With its multicultural environment and proximity to home, Malaysia provides an ideal destination for students seeking an international degree without the financial strain of studying in Western countries.

**UNLOCK YOUR FUTURE AT CURTIN
UNIVERSITY, MALAYSIA**

One of the program's key highlights was its focus on internships and hands-on learning. Curtin's industry-oriented approach ensures students are equipped with real-world skills. Internship opportunities at prestigious firms not only bridge the gap between academia and industry but also enhance employability in an increasingly competitive global job market. The university's strong ties with industry leaders ensure students gain practical experience and networking opportunities, enabling them to thrive in their chosen field.

Distinguished speakers, including alumni and university representatives, shared their personal experiences and success stories. They discussed programs that cater to various disciplines, including engineering, business, health sciences, and creative arts. The session also explored scholarship opportunities and guided the application process. The interactive session allowed students to address their doubts and gain clarity on various aspects of studying abroad. Topics such as visa processes, cultural adaptation, and academic support stems were discussed in detail. The speakers emphasized the importance of leveraging the global exposure provided by Curtin University to build a successful career and make meaningful contributions to society.

The event also shed light on Curtin's commitment to research and innovation. With state-of-the-art facilities and a focus on solving real-world problems, Curtin empowers students to contribute to groundbreaking advancements in their fields. The university's emphasis on sustainability and community development aligns with the values of socially conscious students who aim to make a positive impact.

As students, events like these remind us of the importance of leveraging global opportunities to shape our professional lives. With its world-class education and vibrant multicultural environment, Curtin University, Malaysia, promises a transformative journey for those ready to embrace it. The awareness program served as a stepping stone for students to broaden their horizons and envision a future enriched by international experiences.

It's time to think beyond boundaries and take your education to the next level with Curtin University. By embarking on this journey, students can unlock new possibilities and achieve their dreams of becoming global leaders.

Virtual Labs: Revolutionizing Practical Learning in the Digital Era

~ Vynika Deevi, 21241A3212

On 19 November 2024, the Department of Computer Science and Engineering(CSE) GRIET hosted an enlightening guest lecture on Virtual Labs, a groundbreaking approach to enhancing practical learning in education.

Delivered by a renowned expert in educational technology, the session showcased how virtual labs are transforming the way students engage with experimental learning. By leveraging digital tools, these platforms bridge the gap between theoretical concepts and hands-on applications, making education more accessible and effective.

Virtual labs are interactive online platforms that enable students to perform experiments and simulations in a virtual environment. The lecture highlighted how they provide a cost-effective, scalable, and accessible solution for institutions facing limitations in physical lab infrastructure. By eliminating constraints like equipment availability and operational costs, virtual labs democratize access to quality education.

The session delved into various disciplines that benefit from virtual labs, including physics, chemistry, computer science, and engineering. Advanced features such as real-time data visualization, interactive dashboards, and multi-user collaboration were showcased, demonstrating their ability to simulate real-world scenarios. Students learned how these tools facilitate a deeper understanding of complex concepts and encourage critical thinking.

One of the key points discussed was how virtual labs complement traditional hands-on practices. While physical labs provide tactile experiences, virtual labs allow students to repeat experiments without resource constraints, promoting better learning at an individual pace. The speaker also emphasized their role in fostering creativity and innovation by enabling experiments that might be hazardous or impossible in physical settings.

The lecture also explored the technical aspects of creating and maintaining virtual labs. Students were introduced to platforms and tools used in designing these environments, sparking interest in educational technology development. The expert shared insights into integrating virtual labs into existing curricula, highlighting their potential to enhance learning outcomes and student engagement.

It also allowed students to address their doubts and explore possibilities for incorporating virtual labs into their coursework and projects. Discussions on topics like user interface design, data accuracy, and scalability of virtual labs provided a comprehensive understanding of the challenges and opportunities in this domain.

This guest lecture underscored the transformative impact of virtual labs on education, preparing students for the challenges of an increasingly digitalized world. By embracing such technologies, institutions like GRIET ensure that students are equipped with cutting-edge tools and skills for a successful future. Virtual labs not only enhance academic learning but also prepare students for industry demands, fostering a culture of innovation and adaptability.

The session inspired students to envision a future where technology and education seamlessly blend to create limitless learning opportunities. As virtual labs continue to evolve, they promise to define the boundaries of education, making it more inclusive, engaging, and impactful for learners worldwide.

Engineering Efficiency: Insights into Heat Exchanger Design Optimization

~Vynika Deevi,21241A3212

On 11th November 2024, The Department of Mechanical Engineering(ME), GRIET recently hosted a captivating guest lecture on Heat exchanger design Optimization and Analysis, unraveling the intricate world of thermal engineering.

Delivered by an esteemed expert in the field, the session provided students with a deeper understanding of heat exchanger design principles and their pivotal role in energy systems. This engaging lecture bridged the gap between theoretical knowledge and practical applications, inspiring budding engineers to think critically about energy efficiency.

Heat exchangers are indispensable in industries ranging from power generation and chemical processing to HVAC systems and automotive engineering. The lecture emphasized how optimizing the design directly impacts energy efficiency, cost reduction, and environmental sustainability. With rising global energy demands and a push for greener solutions, mastering the design of heat changers has become a vital skill for engineers.

The session explored fundamental concepts, including heat transfer mechanisms, flow dynamics, and material selection. Students were introduced to advanced techniques like computational fluid dynamics (CFD) for simulating and analyzing thermal performance. The speaker demonstrated how these tools enable engineers to predict and optimize heat exchanger behavior, ensuring maximum efficiency.

Real-world challenges, such as fouling prevention, space constraints, and energy loss minimization, were discussed in depth. Through case studies, students learned about innovative solutions and the impact of minor design adjustments on overall system performance. The lecture also touched upon emerging trends, including compact heat exchanger designs, renewable energy integration, and the use of nanofluids to enhance heat transfer properties.

One of the most inspiring aspects of the lecture was its focus on sustainability. The expert highlighted how optimizing heat exchangers can significantly reduce energy consumption and greenhouse gas emissions, contributing to a cleaner environment. This perspective resonated with students, motivating them to consider the broader implications of their engineering decisions.

The interactive Q&A session provided an opportunity for students to clarify doubts and discuss their project ideas. The expert's insights and practical advice helped students connect theoretical concepts to real-world applications. Many participants expressed their excitement about exploring heat exchanger design in their academic and professional pursuits.

By connecting academic learning with industrial insights, the lecture underscored the importance of mastering heat exchanger design as a cornerstone of engineering innovation. It also highlighted the need for interdisciplinary knowledge, combining principles of mechanical engineering, materials use, and environmental studies. Events like these empower students to tackle complete challenges and contribute to a sustainable, energy-efficient future.

GRIET's commitment to providing such opportunities ensures that its students are well-prepared to excel in the ever-evolving field of thermal engineering. As the world moves towards cleaner and more efficient energy systems, the knowledge gained from this lecture will undoubtedly play a crucial role in shaping the engineers of tomorrow.

The Mathematical Mind:

EXPLORING THE ROLE OF MATHEMATICS IN PROGRAMMING

~ Vynika Deevi, 21241A3212

Programming and mathematics are deeply interconnected, with mathematical concepts forming the backbone of modern soft

-ware development. A guest lecture on "Application of Mathematics in Programming" was conducted on 19 October 2024 in GRIET by the Department of Humanities and Sciences(H&S) and provided an insightful exploration of how logic, algorithms, and computational techniques drive innovation in coding.

Mathematics plays an essential role in multiple areas of programming, from Boolean algebra, which governs logic-based operations in coding, to discrete mathematics, which forms the basis of data structures and database management.

Graph theory is widely used in applications such as Google Maps and social networks, while set theory is crucial in developing efficient search algorithms. Recursion, an essential programming technique, stems from mathematical induction, reinforcing the strong link between mathematical logic and problem-solving in coding.

Linear algebra is a key player in

machine learning, artificial intelligence, and data science, as matrix operations and vector transformations underpin advanced neural networks. Similarly, calculus finds extensive applications in physics-based simulations and computer graphics, powering real-world applications like gaming engines and CGI-rendered films.

The lecture also highlighted the importance of statistics and probability in big data analytics, predictive modeling, and cryptographic security, where encryption techniques rely heavily on number theory and modular arithmetic.

As technology continues to evolve, the integration of mathematics in programming becomes even more profound. Algorithm optimization is driving advancements in artificial intelligence, blockchain, and cybersecurity.

The session concluded with a discussion on how a strong mathematical foundation is essential for developers, ensuring efficient problem-solving, precise computations, and groundbreaking innovations in the digital world.

THE POWER OF INTELLIGENCE: TRANSFORMERS AND CIRCUITS IN ELECTRICAL ENGINEERING

~ Vynika Deevi, 21241A3212

Electrical engineering has always been at the forefront of technological advancements, and one of its most fundamental components remains the transformer. On 11 July 2024, a seminar on "Transformers and Circuits" was conducted by the Department of Electronic and Electrical Engineering(EEE) in collaboration with IEEE.

It provided a deep dive into these essential devices, their principles, and their growing importance in modern electrical systems.



Transformers are electromagnetic devices that enable the efficient transfer of electrical energy between circuits through electromagnetic induction. Their role in voltage regulation and long-distance electricity transmission makes them indispensable.

Operating on the principle of Faraday's Law, transformers help step up or step down voltage levels, ensuring smooth power distribution. Their applications range from power plants to everyday household appliances, making them a key player in electrical infrastructure.

The seminar also explored the intricate relationship between transformers and circuits. Circuits play a crucial role in ensuring the efficiency and stability of transformers.

It revolved around primary and secondary windings, the importance of core materials like ferrite and soft iron, and the impact of different loads on transformer efficiency. As electrical networks become more complex, circuits must adapt to handle varying loads, improving power factor and reducing energy losses.

With the rise of renewable energy and smart grids, transformer technology is evolving rapidly. The seminar shed light on energy-efficient transformer designs and the introduction of smart transformers that integrate IoT-based monitoring for improved performance. Sustainability in power systems is a growing concern, and innovations in transformer design are making energy distribution more reliable and environmentally friendly.

The discussion concluded with insights into future trends, emphasizing how advancements in transformer and circuit technology will continue to shape the electrical engineering landscape.

ECE OUTREACH ACTIVITY

- Amulya. K,23241A12F6

The department of ECE of GRIET organized an outreach activity on 8th November 2024 for class X of Kaluram Ghurka Vidhyadhayini Vidhalayam. The event was a hands-on session which was conducted at Idealabs. Idealabs is a space that provides all facilities under one roof for the conversion of an idea into a prototype. It is a heaven of knowledge for aspiring students where they can get ahead of the herd with the skills they acquire at Idealabs.

After 10th grade, there is a whole different world ahead, with proper guidance and help, the young and enthusiastic minds can be shaped into strong, capable individuals. So Dr . Nookaraju, Dean of Admissions, who is well versed in the education field, took the matter into his own hands to make sure the students would be aware of the various courses that can be opted after 10th. Students avidly participated in the brief discussion regarding their higher studies where key information was shared.



Next in line was the textile designing project presentation by the students of 3rd year CSE of GRIET. Textile design is a creative and technical process that involves developing patterns, colors, and textures for fabric used for various things. With the help of a PPT, they explained their project simply and effectively. Students could get a quick grasp of it. They got a brief idea of textile design and what a project consists of.

Followed by the mobile app hands-on session by Professor Radhanand sir. When students interacted with a mobile application, allowing them to gain practical experience with the elements and functionalities of mobile app development, Sir also gave a demonstration on IOT applications, watering, smart lighting, 3D printing, etc. Internet of Things (IoT) is a network of physical objects that are connected to the Internet and can exchange data with each other.

The smart watering system uses weather data or soil moisture data to determine the irrigation needs of the landscape, whereas smart lighting is an innovative lighting technology that allows one to automatically control lighting using specific lighting systems. It is a hands-on experience for the students to acquaint themselves with smart technologies so that they can keep up with the pace of this fast-developing and everlasting world of technology.

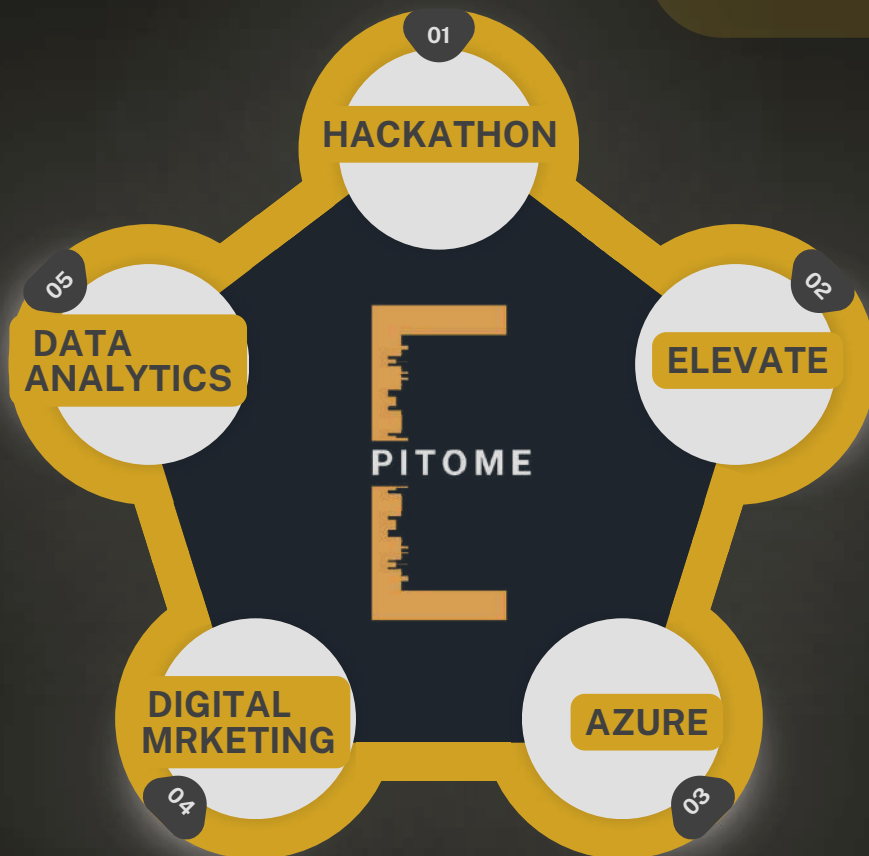
The class X students who embraced the opportunity to participate in the outreach activity were about 25 and were accompanied by a supportive teacher. They came from Ghattupal, Nalgonda district. Their effort showed that distance or any other obstacles don't matter and can be overcome when it comes to accessing education. Students actively engaged in the activities and went back home with a baggage of knowledge, which will come in handy in their future.

The objective of the event was to provide a practical experience with mobile applications and a demonstration of IOT applications. Professor Radhanand sir, Dr. Arunvignesh sir, Dr. Padma ma'am, and Mr. Sai sir are the organizers who deserve a hefty appreciation for the successful completion of a wonderful event.

EPIOTME'25

Elevate, Innovate, and Dominate!

~Ahnaf,22241A0431
Omanshu,22241A0337

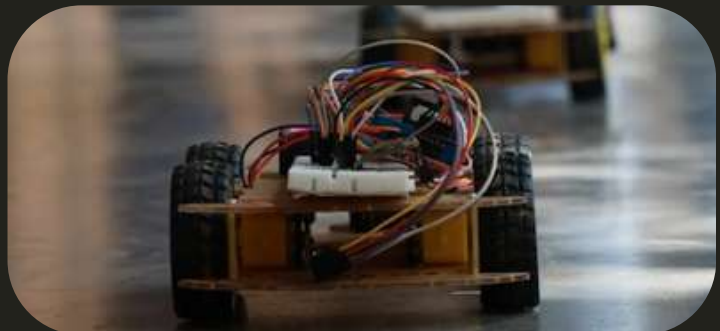


HACKATHON | WORKSHOPS | ELEVATE

EPIOTME'25

HACKATHON

More than just a hackathon, Epitome'25 was a 24-hour innovation marathon that brought together the brightest undergraduate minds across India to GRIET, Hyderabad. It was a convergence of technology, creativity, and problem-solving, where participants built cutting-edge software and hardware solutions across domains like Smart Education, Healthcare, Automation, Agrotech, and Fintech. With intense evaluations, a vibrant mix of tech and culture, and a dash of camaraderie, Epitome'25 was an unforgettable experience—fueled by goodies, meals, and non-tech events that kept the energy alive.



HACKATHON | WORKSHOPS | ELEVATE

EPITOME'25

Azure Developer Day at GRIET

Deep Dive into AI & Cloud

The Azure Developer Day, organized by the Skill Development Cell Student Body (SDCSB), was a highlight of Epite'25. Led by industry experts from Microsoft, the workshop offered a comprehensive exploration of Microsoft AI, Copilot, and Azure cloud technologies. Attendees gained hands-on exposure to Microsoft's ecosystem and learned how to leverage these tools for real-world applications. The session also provided valuable insights into career pathways in AI and cloud computing, leaving participants inspired and equipped with practical skills.

The event was met with overwhelming enthusiasm, marking it as a stepping stone for future tech education and innovation initiatives.

Azure Developer Day at GRIET



HACKATHON | WORKSHOPS | ELEVATE

EPIOTME'25

Career-Shaping Workshops

Building Skills for the Future

Data Analytics Workshop

Conducted by Manohar M, this session delved into data collection, cleaning, exploratory data analysis (EDA), Python, machine learning, and business intelligence. Through real-world case studies, participants honed their ability to make data-driven decisions, a skill crucial for today's tech-driven world.



Digital Marketing Workshop

Led by Srikanth Parigi and Rohitha Reddy, this workshop covered the fundamentals of digital marketing, career opportunities, and emerging trends. Participants gained practical insights into marketing strategies, industry demands, and innovative approaches to reach audiences in the digital age.



ELEVATE

Guest Speakers Who Inspired Us

Rag Mayur – The Art of Perseverance :

Renowned Telugu actor and star of Cinema Bandi, Rag Mayur shared his journey of self-belief, resilience, and adaptability. From his B.Tech days to the challenges of the film industry, he emphasized that every obstacle is a stepping stone to success. His story left the audience motivated to embrace challenges with courage and determination.



Geeta Bhascker – Art, Life, and Learning



A visual arts teacher, life skills trainer, and actor, Geeta Bhascker spoke on the transformative power of art in personal and career growth. Drawing from her experiences as the mother of filmmaker Tarun Bhascker, she shared how artistic expression can shape perspectives and drive innovation. Her session left students with a deeper appreciation for creativity and its impact on life.

ELEVATE

Guest Speakers Who Inspired Us

Charan Lakkaraju – The Power of Elevation :

Founder of Student Tribe (formerly StuMagz) and Forbes 30 Under 30 Asia (2018), Charan Lakkaraju focused on career-building, risk-taking, and learning beyond academics. He introduced the core philosophy of Epitome'25: ELEVATE—a mantra for personal and professional growth:



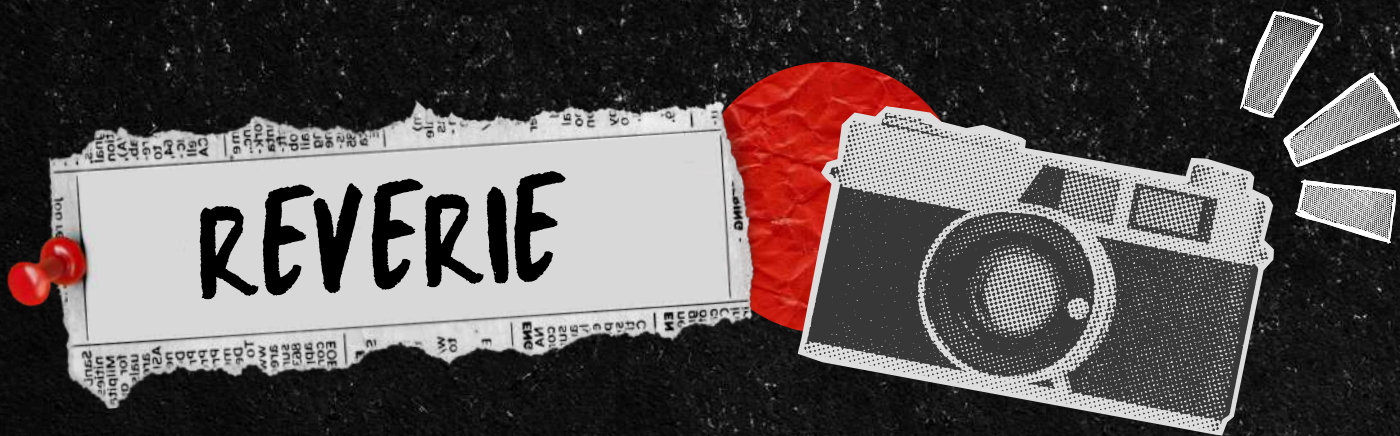
- E - Execution
- L - Learn Beyond
- E - Engage
- V - Vision
- A - Adopting New Perspectives
- T - Taking Risks in Life
- E - Elevating Others

His talk inspired students to embrace challenges, take risks, and uplift others in their journey.

EPITOME'25

Epitome'25 was not just about coding; it was a celebration of innovation, learning, and collaboration. It encouraged visionaries to unite, build ideas, and shape the future. From workshops and tech experiences to inspiring talks and networking opportunities, the event was a transformative journey for all participants.





-Ritika Naidu, 21241A05Z0



REVERIE is a distinguished photography club dedicated to capturing the essence of every moment with creativity and precision. As the official visual storytellers of campus events, we specialize in professional photoshoots and event photography for clubs, departments, and institutional celebrations. Our team of passionate photographers masterfully frames each event, preserving its energy and significance through high-quality imagery. From candid shots to meticulously composed portraits, we create visually compelling narratives that resonate with audiences. Equipped with advanced cameras, lighting setups, and editing expertise, REVERIE ensures that every photograph is not just an image but a story brought to life. Whether covering formal gatherings, cultural fests, academic conferences, or social initiatives, we excel in crafting striking visual content for digital and print publications.

The Art of Visual Storytelling

With an eye for detail and a commitment to artistic excellence, we transform ordinary moments into extraordinary memories. Our work extends beyond documentation, enhancing the visibility and impact of every event through captivating imagery.

At REVERIE, we believe photography is more than a skill—it is an art that immortalizes emotions, expressions, and experiences. Through our lens, we redefine storytelling, one frame at a time.



SMART INVESTING: MUTUAL FUNDS AWARENESS SEMINAR

A mutual funds awareness seminar was conducted on 11th November 2024 by E-Cell in GRIET. E-Cell is a club that focuses on the entrepreneurial culture among the student community. In today's world, there is an ocean of useful topics to dive deep into. One such topic is mutual funds.



A mutual fund is a trust that collects money from several investors who share a common investment objective and invest the same in equities, bonds, money market instruments, and other securities. Being aware of mutual funds is crucial if you want to play for financial security.

The esteemed guest speaker was Dr. Bhavanarayana Kandala, an expert teacher in the field of business. Through the act of sharing his valuable insights about mutual funds, he helped the participants gain financial literacy. Students got a thorough outlook on mutual funds and their

They also got acquainted with the strategies to battle inflation through informed investments. Students were engrossed in the subject because of the easy display of practical knowledge by the skillful speaker.

Several students seized the opportunity to explore the world of finance. The Mutual Funds Awareness Seminar planted knowledge of mutual funds, financial learning, and investment strategies in students.

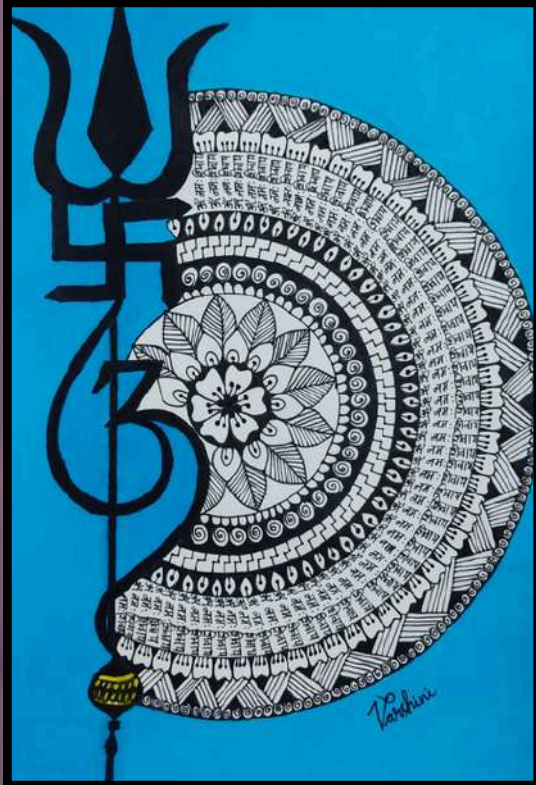
The attendees got a few steps further on their path to achieving extensive financial knowledge. Dr. D. Indira, the Dean of EDC was the coordinator of the event along with the E-CELL members and was responsible for the successful completion of the event.





Arts

Ambati Varshini
21241A6601



Rahul Stanley
22241A05P4



Naina Thippani
23241A12A3



The Tears

Deep down, when my heart was hard
And self-belief low ...
It was this water-friend
That helped me go...
In the lane of heart-breaks ,
This salt-thing was my energy drink
In the rain of failures ,
It helped me not to blink
Either in loneliness or solitudes
Sometimes filling the little eye-lids ...
Throughout the trenches and Altitudes
Sometimes rolling over brittle cheeks ...
Throughout the life's drift,
There were days when I deeply wept
Only few times my eyes got wet ,
Mostly I have silently slept

Behind the Verses

**“Tears aren’t a sign of Weakness, but fills us with
Great Strength from every Drop shed. “**

-Pragnith Pyata



*I look into the mirror with a hesitation
Curse the mirror for not showing the pretty.
I peep into the houses to see the beauty.
Disappointment and hate
In the mirror I see
I asked the mirror why do you show others beautifully
and not me.
Herbs I tried and potions I drank to look the best in the
gang.
Oh, I failed! I cried" How ugly am I"
The potions turned tables and made me look uglier and
that's when I cried to the mirror.
Mirror mirror on the wall
I'm not the prettiest of all
I'm happy with the way I look and I promise to not
change it at all.*

-Vynika



Jāla: The Water

You will undoubtedly become hydrophilic by the end of this article if you are currently hydrophobic.' Jala,' meaning watery/water in Sanskrit, is one vital element of nature and our life. Water, being the most of our planet Earth, makes it very essential for the existence of life on this planet. Most of us have seen water on beaches and pools. We know what water looks like from the outside, but very few think of the life underwater.

Life inside water is always overflowing with depths of unknown and beauty unseen by the majority. Water is so much known to us but mysterious at the same time. The curiosity of what is under that river or ocean is always in us even though we know that there are fish inside. But are there only fish inside? Water always has a story to offer to us. It has seen everything and does everything. It can create and destroy. It can save but also can kill. Water can flow, water can fall, water can fly. So much water can do, and yet we think it is so simple.

Each place we visit, water weaves us a memory for us that lasts forever. The water is so huge yet so small in one's palms. Frozen Lakes in winter sings its melody in the deepest and silent voice. Ice that makes different shapes each time naturally is always underrated. Each snowflake that falls on the ground is so beautiful that it is hard to find words to even describe it. When suddenly a drop of life kisses the earth's soil, the soul in you starts dancing. Each drop is for each person who has ever existed, existing, or will ever exist. Moon looking at itself in the oceans, lakes, rivers, or ponds is always beautiful.

Water in oceans and seas, which cannot offer direct life to humans, pours life into millions of creatures underwater. She is always contradicting herself but uniquely and magically. Sunshine falling on flowing water makes it look as if billions of water jewels are inside it. But when rain and sunlight meet in the loveliest way, it gives birth to an even lovelier rainbow, with each color having its symbolism. It is a love story of rain and sun that happens frequently that the world loves to see each time without getting bored.

Rocks taking a bath under the waterfall, making the water look as white as milk, is always magnificent. Lotus and waterlily make the muddy water look beautiful and wholesome. Water dew on the lotus petals and leaves looks like pearls on them. Stream of water acts as a water source for birds and small animals like rabbits, so the birds thank it back while singing beautiful songs to show their gratitude.

Water is a symbol of calmness, purity, life, miracles, love, and bonding. Just like how clear it is, our thoughts, emotions, and feelings must also be that clear. How True is the love between a peacock and rain? As soon as a peacock senses the arrival of rain, it dances to welcome it most beautifully. Something that is giving life and weaving stories for us, it is equally important that we keep her purity as it is and not disturb the way mother nature has made her (water). Every element of nature is equally important for the survival of this planet.

I hope you enjoyed my blog and become enamored with water.

-Neha





RAW

1/1000 F/2.8

PHOTOGRAPHY

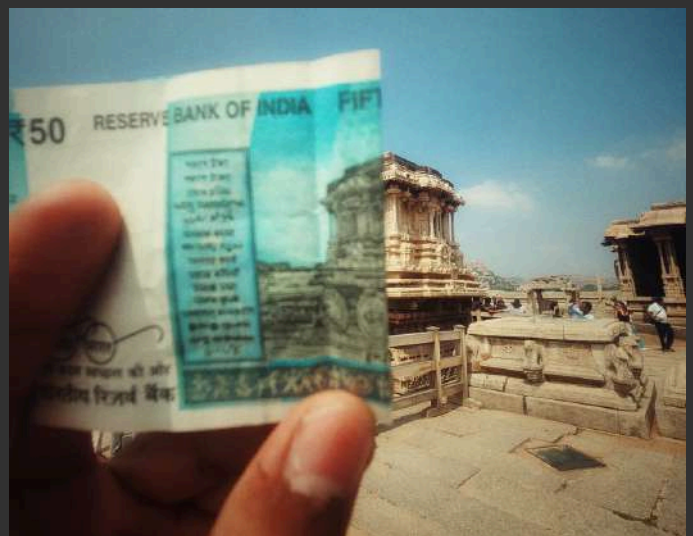


-3 2 1 ▼ 1 2 +3
| | | | | | | | | |

Fragments of Light, Time, and Perspective

Indu Vadana P

21241A66A9



Serene skies, soulful eyes

A Mahesh

22241A05K8



Waves of tranquility, blossoms of joy

Sai Harshith 22241A05K8



Golden waves and sandy whispers

Siddeshwari Anishetty

21241A6605

