



INTERFACE

Connecting **EECE**

HALF-YEARLY TECHNICAL E-MAGAZINE

**DEPARTMENT OF ELECTRICAL, ELECTRONICS
AND COMMUNICATION ENGINEERING**

**GITAM SCHOOL OF TECHNOLOGY
GITAM (DEEMED TO BE UNIVERSITY)
HYDERABAD**

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About the Department

Department Vision:

GITAM will be an exceptional knowledge-driven institution advancing a culture of honesty and compassion to make a difference in the world

Department Mission:

1. Empower the students with knowledge to face real-world challenges for holistic development.
2. Conduct multidisciplinary research that impacts society, addressing key challenges through innovative solutions.
3. Foster a culture emphasizing empathy, respect, and commitment, upholding ethical standards.

About the Department:

The **Department of Electronics and Communication Engineering (ECE)** was established in the academic Year **2009** and has since grown into a distinguished hub for education and research. The Department offers a comprehensive range of academic programs, including **B. Tech, M. Tech, and Ph.D.**, catering to students aspiring for excellence in electronics and communication engineering.

The Department boasts **40 highly qualified faculty members**. Their expertise and dedication are instrumental in fostering a culture of innovation and academic rigor. The Department's emphasis on **research and development** is one of its core strengths, with a sharp focus on cutting-edge areas such as **VLSI Design, Embedded Systems, Power Systems, Power Electronics, Control Systems, Wireless Communications, Internet of Things (IoT), Artificial Intelligence (AI), and Machine Learning (ML)**.

The faculty members are actively engaged in high-impact research and have collectively published more than **500 research papers** in reputed journals and conferences, contributing significantly to the advancement of technology. This research output enhances the Department's reputation and creates opportunities for collaborative projects with industry and academia.

About the Magazine

"**INTERFACE- *Connecting EECE***" is the E-Magazine of the Department of Electrical, Electronics, and Communication Engineering at the School of Technology, GITAM University, Hyderabad Campus. It provides a great opportunity for the students and Faculty of the Department to share their knowledge, literature, talents, achievements, motivations, and news related to technology on one common platform.

This magazine is an important means for students to express their inner feelings. It also helps them in developing positive & desirable qualities. This magazine contains ten segments: **Technical Events, Workshops, Faculty Development Programmes, Student Achievements, International Journals, Industrial Visits, and Outreach.**

This magazine can't cover everything. It's selective and shows our view of the Department of EECE at GITAM University Hyderabad Campus. If we've made any mistakes or left anything out, we apologize. We have acted in good faith at all times. We hope that you enjoy the reading.

-Editorial Committee

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TECHNICAL EVENTS

Electraversary: G-Electra's First Anniversary Celebration

On **September 15, 2023**, G-Electra proudly celebrated its **first anniversary**, coinciding with **Engineers' Day**, with a grand and memorable event that brought together students, faculty, and esteemed guests. The celebration was a testament to the club's journey, highlighting its achievements, impact, and vision for the future.

A Platform for Innovation and Excellence

The Project Expo was a dynamic showcase of creativity and engineering excellence, where students presented their cutting-edge projects spanning various domains of electronics, automation, artificial intelligence, and sustainable technology. Participants demonstrated their technical proficiency, research acumen, and problem-solving abilities, engaging in insightful discussions with faculty members and peers. This platform not only allowed students to exhibit their innovations but also fostered collaboration, knowledge exchange, and constructive feedback.

In parallel, technical competitions provided a challenging environment for students to apply theoretical concepts to real-world problems. These contests tested their critical thinking, coding skills, circuit design expertise, and algorithmic problem-solving capabilities. With intense competition and a high level of participation, the events created an atmosphere of excitement, learning, and camaraderie.

To acknowledge their efforts, the top-performing students were recognized with prestigious awards, celebrating their exceptional contributions, technical excellence, and ingenuity. These accolades served as a catalyst for motivation, encouraging students to push their limits, think innovatively, and pursue advanced research and development in engineering. Through these initiatives, G-Electra reaffirmed its commitment to nurturing future engineers and fostering a spirit of excellence.



A Gathering of Distinguished Dignitaries

Following the competitions, a **formal gathering** was organized in the club room. The event was graced by the presence of **Pro Vice-Chancellor Dr. D.S. Rao, Director of GST Dr. Rama Sastry, Associate Director Dr. Sitaramayya, Resident Director Dr. Varma, and Head of the EECE Department Prof. T. Madhavi**. Their presence added immense value to the occasion, as they acknowledged and appreciated the efforts of the students and the club's remarkable contributions over the past year.

During the session, **G-Electra's annual report** was presented, offering a comprehensive overview of the club's journey, milestones, and accomplishments. The report highlighted the club's activities, initiatives, and the significant role it has played in fostering a culture of learning, collaboration, and technological advancement.



Reflections and the Road Ahead

The speeches by **Founder M.V.N.P.S. Pranav** and the **Founding Executive Board members** provided a heartfelt reflection on G-Electra's transformative journey. They recounted the club's humble beginnings, the hurdles overcome, and the remarkable achievements that defined its first year. Their words resonated deeply with the audience, igniting a sense of pride and motivation among members. They emphasized the significance of teamwork, perseverance, and continuous learning in shaping the club's success.

The announcement of the **new Executive Board** was a moment of excitement and anticipation, symbolizing continuity and evolution within G-Electra. As the new leaders assumed their roles, they were entrusted with the responsibility of steering the club toward greater heights. The transition underscored the club's commitment to nurturing future leaders and fostering a culture of innovation. With a shared vision of excellence, the new board members pledged to uphold G-Electra's values and drive impactful initiatives. Their fresh perspectives and dedication were expected to bring new opportunities, ensuring that the club continues to thrive and make significant contributions to the academic and technical community.

Recognizing Excellence and Dedication

In a heartfelt moment, **Prof. T. Madhavi felicitated the Best Performer of the Year**, recognizing their exceptional dedication, contributions, and achievements. Additionally, **outgoing Executive Board members were honored** for their unwavering commitment and significant role in shaping the club's success. Their efforts and leadership were deeply appreciated, as they had played a crucial role in establishing G-Electra as a platform for technological and professional growth.



A Celebration of Success and New Beginnings

The anniversary celebration concluded on a **joyous and festive note** with a **cake-cutting ceremony**, symbolizing the club's successful journey over the past year. The atmosphere was filled with camaraderie, excitement, and a shared sense of accomplishment, as students and faculty came together to celebrate this milestone.

This **Electravarsary** was not just a celebration of the past year's success but also a reaffirmation of G-Electra's commitment to empowering students, fostering technological advancements, and shaping the future of engineering.



Workshop

One-Day Workshop on “Transforming to the Changing World”

GITAM University successfully hosted a **one-day workshop** titled "**Transforming to the Changing World**" on **December 22, 2023**. The event brought together distinguished **resource persons from premier institutions such as IITs, NITs, and State Universities**, creating a dynamic platform for intellectual discourse on the evolving trends in education, research, and industry.

The workshop aimed to **explore the challenges and opportunities** presented by the rapidly changing global landscape and how academia can adapt to these transformations. Experts from various fields shared their perspectives on **technological advancements, industry-academia collaboration, interdisciplinary research, and the importance of lifelong learning** in today's competitive world. The discussions revolved around innovative teaching methodologies, research trends, and strategies to bridge the gap between theoretical knowledge and practical applications.

Participants engaged in **interactive sessions, panel discussions, and knowledge-sharing activities**, fostering an environment of collaboration and mutual learning. The presence of esteemed scholars and industry professionals enriched the dialogue, offering valuable insights into the role of education in shaping the future workforce and driving technological progress.

By organizing such an insightful and thought-provoking workshop, **GITAM University** reaffirmed its **commitment to academic excellence, research innovation, and professional development**. The event not only provided a **platform for networking and knowledge exchange** but also reinforced the university's **role as a center for transformative learning and forward-thinking initiatives**. The workshop served as a stepping stone toward future collaborations and continuous advancements in education and research.

Fun with Electronics 2: A Hands-On Learning Experience

On August 10th and 11th, 2023, G-Electra successfully conducted the **Fun with Electronics 2** workshop, an engaging two-day event designed to enhance students' practical knowledge of electronics through hands-on project development. The workshop aimed to provide a platform for students to explore, experiment, and innovate while applying theoretical concepts to real-world applications.

The event witnessed enthusiastic participation from students across various disciplines, all eager to delve into the exciting world of electronics. Guided by experienced mentors, participants were introduced to fundamental and advanced concepts, enabling them to work on a diverse range of projects. The workshop fostered a collaborative learning environment where students not only gained technical skills but also developed problem-solving abilities, teamwork, and creativity.

Throughout the two days, students actively engaged in circuit designing, sensor integration, microcontroller programming, and real-time project execution. The hands-on approach allowed them to explore various electronic components, understand their applications, and build functional prototypes. The workshop featured interactive sessions, demonstrations, and troubleshooting exercises, ensuring that participants gained a comprehensive understanding of electronics and its practical implications.

A key highlight of the workshop was the project showcase session, where students presented their innovative creations, demonstrating their acquired skills and knowledge. The projects ranged from simple electronic circuits to more complex automation-based models, showcasing the students' enthusiasm and ingenuity. Faculty members and mentors provided valuable feedback and appreciation, encouraging participants to further refine their skills and explore new technological advancements.

The **Fun with Electronics 2** workshop concluded on a high note, leaving students inspired and motivated to continue their journey in electronics and embedded systems. The event reaffirmed G-Electra's commitment to fostering technical excellence, hands-on learning, and innovation, ensuring that students remain at the forefront of emerging technologies.



Faculty Development Program

AICTE Training and Learning (ATAL) Academy Sponsored

One-Week Faculty Development Program on

"Opportunities and Challenges for VLSI in IoT Applications"

GITAM University successfully hosted a prestigious **AICTE Training and Learning (ATAL) Academy-sponsored One-Week Faculty Development Program (FDP)** on **"Opportunities and Challenges for VLSI in IoT Applications"** from **20th to 25th November 2023**. The FDP aimed to **equip faculty members, research scholars, postgraduate students, and industry professionals** with in-depth knowledge and expertise in **VLSI design and IoT applications**, both of which are at the forefront of modern technological advancements.

This program served as a **dynamic platform for learning, collaboration, and research-oriented discussions**, fostering a deeper understanding of **Advanced VLSI Chip Logic Design, Physical Design, and their integration into the evolving landscape of IoT technologies**. With the rapid advancements in **semiconductor technologies, embedded systems, and IoT applications**, the FDP played a crucial role in helping participants stay updated with **emerging trends, industry challenges, and research breakthroughs**.

Key Objectives of the FDP:

- To introduce participants to **cutting-edge developments in VLSI design and IoT technologies**.
- To bridge the gap between **academic research and industrial applications** in the domain of VLSI and IoT.
- To provide hands-on experience with **state-of-the-art tools and methodologies** for VLSI design.
- To encourage interdisciplinary collaboration among **researchers, academicians, and industry experts**.

Program Highlights:

The FDP brought together **renowned experts, researchers, and industry professionals** from **premier institutions such as IITs, NITs, and leading organizations** in both the public and private sectors. These distinguished speakers delivered **insightful lectures, technical sessions, and interactive discussions**, providing participants with **practical knowledge and research-oriented perspectives** on the following topics:

- **Fundamentals of VLSI Design & Emerging Technologies**
- **Physical Design Challenges in IoT Applications**
- **AI and Machine Learning Integration in VLSI Circuits**
- **FPGA-based Prototyping and Hardware Implementations**
- **Low Power VLSI Design and its Importance in IoT**
- **Reliability and Security Concerns in IoT-based VLSI Systems**

The program also included **hands-on training sessions**, where participants engaged with **simulation tools, hardware implementation techniques, and practical case studies**, enabling them to apply their theoretical knowledge in a **real-world context**.

Target Audience:

The FDP was open to a wide range of participants, including:

- **Faculty members from AICTE-approved institutions**
- **Research scholars exploring advancements in VLSI and IoT**
- **Postgraduate students interested in semiconductor technologies**
- **Industry professionals seeking expertise in VLSI-based IoT applications**

Program Coordinators:

- **Dr. K. Manjunatha Chari** – Professor, Dept. of EECE & Deputy Director (AR & DR), GST, GITAM-Hyderabad
- **M. Naresh Kumar** – Assistant Professor, Dept. of EECE, GST, GITAM-Hyderabad

Conclusion:

The **One-Week FDP on "Opportunities and Challenges for VLSI in IoT Applications"** at GITAM University proved to be an **enriching and transformative experience** for all participants. The event successfully fostered **knowledge-sharing, research collaboration, and skill enhancement**, ensuring that faculty members, scholars, and industry professionals are well-equipped to **address future challenges in the fields of VLSI and IoT**.

Dr. Prasantha R. Mudimela successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Dr. S. V. Padmavathi successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Dr. Md. Masood Ahmad successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Dr. D. Anitha successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Dr. Ch. Praveen Kumar successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Mr. T. Srinivas Rao successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Mr. S. Hari Babu successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Mr. Karne Sathish Kumar successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Dr. Chandrasekhar Sirigiri successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Mr. Rathlavath Chandru successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Mr. B. Suresh Kumar successfully attended a Faculty Development Program on "Opportunity and Challenges for VLSI in IoT Application," organized by ATAL FDP from November 20, 2023, to November 25, 2023.

Student Achievements

Team Blaze Triumphs at Internal SIH 2023

We are proud to announce that **Team Blaze**, composed of talented **3rd Year students**, secured the **Third Prize** at the **Internal Smart India Hackathon (SIH)** held on **21st & 22nd September, 2023**. The team's innovative Suction-Based Automatic Waste Collection System project impressed the judges with its creativity, functionality, and potential to revolutionize waste management systems.

The winning members of Team Blaze are:

- **Palle Deepak** (HU21EECE0100126)
- **G Anirudh** (HU21EECE0100130)
- **Gurpreet Singh Bawa** (HU21EECE0100236)
- **Chittoi Amoolya** (HU21EECE0100203)
- **K Manikantha** (HU21EECE0100311)
- **Dibya Sagar** (HU21EECE0100276)

The team, under the guidance of **Mr. M Naresh Kumar**, demonstrated exceptional problem-solving skills and ingenuity in the **Hardware Category**. The **Bionic Arm** is designed to streamline the waste collection process using advanced suction technology, offering a more efficient and automated approach to waste management. This innovative solution showcases the team's ability to address environmental challenges with cutting-edge technology.

The success of Team Blaze at the Internal SIH is a testament to their creativity, technical prowess, and dedication to developing practical solutions that can make a real-world impact. Their project not only highlights their innovative spirit but also their commitment to advancing technology for the betterment of society.

The remarkable success of **Team Blaze** at the **Internal Smart India Hackathon (SIH)**, where they secured the **Third Prize** for their project, **Bionic Arm** is a monumental achievement. Their triumph highlights their technical expertise and underscores the power of creativity, determination, and teamwork.

International Journals

Mr. S. Chandrasekhar has published a research paper titled "**An Effective Framework of Land Cover Classification Using Hybrid Meta-Heuristic-Aided Ensemble-Based Convolutional Neural Network**" in the esteemed journal **International Journal of Image and Graphics**. The paper was published in **November 2023** and is indexed in **Scopus, SCI, and WoS**. The journal holds an **H-index of 24**, an **impact factor of 1.6**, and is categorized as a **Q4 journal**. Published by World Scientific, this work showcases Mr. Chandrasekhar's contributions to advanced land cover classification techniques using hybrid meta-heuristic and ensemble-based deep learning approaches.

Mr. S. Chandrasekhar has published a research paper titled "**CNN-Landcover Net: An Effective Framework of Land Cover Classification Using Hybrid Metaheuristic-Aided Ensemble-Based Convolutional Neural Network**" in the esteemed journal **International Journal of Image and Graphics**. The paper was published in **November 2023** and is indexed in **Scopus, SCI, and WoS**. The journal holds an **H-index of 24**, an **impact factor of 1.6**, and is categorized as a **Q4 journal**. Published by World Scientific, this work showcases Mr. Chandrasekhar's contributions to advanced land cover classification techniques using hybrid meta-heuristic and ensemble-based deep learning approaches.

Mr. Mariyadasu M. has published a research paper titled "**EEG Classification and Artifact Removal with Deep Networks and Adaptive Thresholding Mechanism**" in the reputed journal **J. Shanghai Jiao Tong Univ. (Sci.)**. The paper was published in **July 2023**, appearing in **Volume 18**. Indexed in **Scopus**, the journal is categorized as a **Q3 publication**. Published by Springer, this research showcases Mr. Mariyadasu's contributions to enhancing EEG signal processing through deep learning techniques and adaptive thresholding mechanisms.

Dr. G. Srinivas has published a research paper titled "**Understanding of Different MPPT Algorithms to Improve the Performance of Boost Converter**" in the journal **International Journal for Innovative Engineering**. The paper was published in **July 2023**, appearing in **Volume 12, Issue 7**. Indexed in **Google Scholar**, the journal is published by Elsevier SSRN. This research highlights Dr. Srinivas's contributions to optimizing Maximum Power Point Tracking (MPPT) algorithms for enhancing the efficiency of boost converters in renewable energy applications.

Prof. T. Madhavi has published a research paper titled "**Intelligent Deep Learning-Aided Future Beam and Proactive Handoff Prediction Model in Unmanned Aerial Vehicle-Assisted Anti-Jamming Terahertz Communication**" in the journal **International Journal of Communication Systems**. The paper was published in **September 2023**, appearing in **Volume 36, Issue 13**. Indexed in **Scopus**, the journal is categorized as a **Q2 publication**. Published by Springer, this research highlights Prof. Madhavi's contributions to enhancing Terahertz communication through advanced deep learning models, focusing on future beam prediction and proactive handoff strategies in UAV-assisted anti-jamming networks.

Mr. Balaji Naik Bukke has published a research paper titled "**Implementation of a Finite Impulse Response Filter Using PUFs to Avoid Trojans**" in the journal **Engineering, Technology and Applied Science Research**. The paper was published in **December 2023**, appearing in **Volume 13, Issue 6**. Indexed in **Scopus** at the international level, the journal is categorized as a **Q2 publication**. Published by Engineering, Technology and Applied Science Research, this research explores the use of Physical Unclonable Functions (PUFs) in the implementation of Finite Impulse Response (FIR) filters, aiming to prevent security threats like hardware Trojans in modern electronic systems.

K. Manjunatha Chari has published a research paper titled "**Modified Microstrip Feed Hybrid Rectangular Dielectric Resonator Antenna for Wireless Tri-Band Applications**" in the journal **Measurement Science Review**. The paper was published in **November 2023**, appearing in **Volume 23, Issue 6**. Indexed in **Scopus** at the international level, the journal is categorized as a **Q3 publication**. Published by Measurement Science Review, this research presents a modified microstrip feed hybrid rectangular dielectric resonator antenna, designed for wireless tri-band applications, contributing to advancements in antenna technology for modern wireless communication systems.

K. Manjunatha Chari has published a research paper titled "**Intelligent Optimal Feature Selection-Based Hybrid Variational Autoencoder and Block Recurrent Transformer Network for Accurate Emotion Recognition Model Using EEG Signals**" in the journal **Signal, Image and Video Processing**. The paper was published in **October 2023**, appearing in **Volume 18, Issue 2**. Indexed in **Scopus** at the international level, the journal is categorized as a **Q2 publication**. Published by Signal, Image and Video Processing, this study introduces an intelligent emotion recognition model using EEG signals, combining optimal feature selection, variational autoencoders, and block recurrent transformer networks to enhance the accuracy of emotion detection.

K. Manjunatha Chari has published a research paper titled "**Hybrid Feature Integration Model and Adaptive Transformer Approach for Emotion Recognition with EEG Signals**" in the journal **Computer Methods in Biomechanics and Biomedical Engineering**. The paper was published in **September 2023**, appearing in **Volume 27, Issue 12**. Indexed in **Scopus** at the international level, the journal is categorized as a **Q3 publication**. Published by Computer Methods in Biomechanics and Biomedical Engineering, this research focuses on combining hybrid feature integration with adaptive transformer models to improve emotion recognition accuracy using EEG signals.

K. Manjunatha Chari has published a research paper titled "**Implementation of a Finite Impulse Response Filter Using PUFs to Avoid Trojans**" in the journal **Engineering, Technology and Applied Science Research**. The paper was published in **December 2023**, appearing in **Volume 13, Issue 6**. Indexed in **Scopus** at the international level, the journal is categorized as a **Q2 publication**. Published by Engineering, Technology and Applied Science Research, this research introduces an innovative approach using Physically Unclonable Functions (PUFs) for the implementation of Finite Impulse Response (FIR) filters, aiming to prevent Trojan attacks in digital circuits and enhance the security of embedded systems.

Industrial Visits

T-Works Rocks G-Electra's World: A Journey into Innovation

Introduction

The report unveils the thrilling journey of G-Electra Smart Systems Club as they delve into the world of innovation at T-Hub. This comprehensive report highlights the club's immersive workshop participation, offering captivating insights and unexpected adventures.

Participants

The workshops attracted an eclectic mix of participants, including G-Electra students, visionary startup founders, talented young innovators, and industry experts who graced the occasion as mentors and instructors. Such a diverse gathering fueled an atmosphere of collaborative learning and ignited an exchange of diverse perspectives.

Workshop Topics and Activities

The workshops offered a captivating blend of innovative topics, from essential business strategies to cutting-edge technologies. Participants immersed themselves in invaluable insights about the power of networking through business cards and valuable contacts. They also witnessed the magic of freebies as a potent tool for attracting attention and boosting sales, awakening their understanding of practical business techniques. The hands-on approach emphasized the importance of direct observation for optimized learning and immediate application.

Benefits and Learning

The T-Hub experience was a transformative journey for participants, yielding various benefits and invaluable learning. They forged influential connections with visionary startup founders, gaining in-depth insights into network building in the business world. Witnessing the groundbreaking projects of young minds from Gambira pet showcased an infinite potential for innovation. The revelation of freebies as a compelling marketing strategy left an indelible mark, as did the intricate understanding of 3D printing's capabilities, showcasing the magic of creating something as seemingly simple as a pen.

Moreover, participants discovered the significance of homegrown brands through an inspiring tale of a local Chocolate Vendor promoting Indian-manufactured chocolate. The exploration of packaging materials shed light on the art of crafting structures to elegantly accommodate diverse products elegantly, emphasizing the relentless effort invested in creating exceptional consumer experiences.

Our Members Interacting with Participates



“Our Team”



Conclusion

In conclusion, the G-Electra Smart Systems Club's visit to T-Hub was an unparalleled journey into innovation. The amalgamation of theoretical knowledge with practical insights, exposure to diverse projects, and enriching networking opportunities underscored the immense value of such workshops. Equipped with newfound perspectives on innovative business strategies, cutting-edge technologies, and the boundless potential of young minds, the club stands infused with a fresh zest for shaping a brighter future.



Outreach

G – Electra (Smart Systems Club) Report on Outreach Program ZHPS

Date: 14th August 2023

Executive Summary:

G Electra Club conducted a highly successful philanthropic event as part of our WOW (Wellbeing Out of Waste) campaign. The event involved the distribution of free stationery to students at ZHPS, accompanied by vibrant interactions and the delightful surprise of handcrafted paper flowers presented by the students to our club members. This report details the planning, execution, and the heartwarming moments that unfolded during this unique initiative.

Introduction:

The WOW campaign focuses on promoting sustainability and well-being by repurposing waste materials. Our recent event at ZHPS aimed to provide essential stationery to students while emphasizing the transformative power of repurposing waste to support their educational endeavours. Planning and Coordination:

The event was meticulously planned by the G Electra Club Events Committee. The following key steps were taken:

- Coordination with ZHPS for permissions and logistical support
- Collection of stationery donations from club members and local businesses
- Books and stationary items were given by ITC in exchange for collective book waste from GITAM
- Design and printing of promotional materials to create awareness about the event

Execution:

On 14th August 2023, G Electra Club members arrived at ZHPS to set up the distribution area. The event proceeded as follows: Warm welcome and introduction to the school staff and students Distribution of stationery kits containing essential items such as notebooks, pens, pencils, and erasers to each student Interactive sessions encouraging students to share their dreams and goals, while emphasizing the importance of environmental consciousness

Interaction with Students:

The event was marked by the students' joyful nature and their impressive creativity in crafting paper flowers. The interaction included:

- Inspirational talks by club members, emphasizing academic excellence, sustainability, and personal growth
- Appreciation for the student's creativity and the exchange of heartfelt moments

Impact: The event left a lasting impact on both the students and G Electra Club members:

- ZHPS students received essential stationery, enhancing their educational resources
- Club members were deeply touched by the student's creativity, receiving handcrafted paper flowers as tokens of appreciation
- The event strengthened community ties, showcasing the harmonious relationship between G Electra Club and the local school
- The success of the event has motivated G - Electra to plan more community-focused initiatives

Media Coverage and Documentation:

Photographs and videos captured the vibrant atmosphere during the event, showcasing the students' creativity and the positive interactions. Media coverage included posts on our club's social media platforms and the club members sharing their insights and experiences on the social media platforms.

Acknowledgments:

G Electra Club expresses heartfelt gratitude to ZHPS for their collaboration, all club members for their active participation, and the generous donors who contributed to the success of this heartwarming event.

Conclusion:

The school stationery distribution event, under the theme of "Well Being Out of Waste," exemplified G Electra Club's commitment to sustainability, community well-being, and creative collaboration. The G – Electra club eagerly anticipates to be a part of such opportunities to contribute to the well being of both our community and environment

WOW (Well-Being out of waste)

On November 10, 2023, a remarkable event marked the culmination of the Well Being out of Waste (WOW) an ITC initiative, a collaborative endeavour spearheaded by GITAM (Deemed to be) University, with the active involvement of E-Club, VDC (Venture Development Centre), Student Life, G-Electra, NSS, and the Department of Hospitality. This transformative initiative focused on recycling discarded materials to empower education, and its impact resonated across multiple fronts.

Dedicated to sustainability and community welfare principles, the WOW initiative distributed stationery items and books to Govt. schools: Lakdaram ZPHS and Mamidipally ZPHS. This outreach directly impacted over 450+ students, ensuring they received valuable educational resources to enhance their learning journey.

A significant aspect of the initiative was the active participation of more than 20+ students from diverse departments and clubs within GITAM. Their enthusiastic involvement showcased their dedication to effecting positive change and played a crucial role in ensuring the event's success. The initiative's formal inauguration at Mamidipally ZPHS set the tone for subsequent distributions, symbolizing a shared commitment to fostering a brighter future through education.

As the initiative reached its culmination, heartfelt acknowledgements were extended to the event organizers, volunteers, and partners who contributed their time, energy, and resources to bring the WOW initiative to fruition. The event's conclusion was not merely a one-day distribution, but rather the inception of a more promising educational future for the recipients.

In essence, the WOW initiative's event was a resounding success that highlighted the potential of collaborative action in promoting sustainable practices and education. By recycling waste into valuable resources and distributing them to those in need, the initiative has paved the way for a brighter tomorrow, inspiring hope and driving positive change in our society.

Schools and Distribution:

The WOW initiative had the privilege of distributing stationary items and books to two schools,

- ZPHS Mamidipally -1 School.
- ZPHS Lakdaram - 1 School.

Active Participation:

The success of the WOW initiative was further amplified by the dedicated involvement of more than 20+ students from various departments and clubs at GITAM. Their enthusiastic participation played a crucial role in ensuring the event's success.

Inauguration at Mamidipally ZPHS:

The WOW (World of Wisdom) initiative was inaugurated with great enthusiasm at Mamidipally Zilla Parishad High School (ZPHS), marking the beginning of a meaningful effort to support education and empower young minds. The event was graced by esteemed dignitaries, including DVVS Varma (Resident Director), Assistant Professor M. Naresh Kumar, Borra Ramachandra Rao (Press Relations Officer), Tinoo Ubale (Project Manager, VDC) at GITAM University, and Geo Ciril Podipara (Senior Manager of the Directorate of Student Life). Their presence and words of encouragement set the tone for a series of impactful distributions aimed at fostering knowledge and academic growth among students.

The event witnessed a deep sense of purpose, unity, and determination to bring about positive change in the lives of students. The interaction between the dignitaries and students further enriched the experience, as motivational words and inspiring stories encouraged the young learners to strive for excellence. The WOW initiative is set to make a lasting impact by equipping students with the necessary resources and guidance to reach their full potential, reinforcing GITAM University's commitment to social responsibility and educational development.





Lakdaram ZPHS school:

The WOW (World of Wisdom) initiative continued its impactful journey at Lakdaram Zilla Parishad High School (ZPHS), where an inspiring event was held to promote education, sustainability, and community engagement. The event began with a warm welcome from the Headmaster, who introduced the WOW initiative and the dedicated team behind it, emphasizing its mission to empower students through knowledge and environmental awareness.

Geo Ciril, Senior Manager of the Directorate of Student Life, captivated the students with interactive and engaging activities, creating an atmosphere of excitement and curiosity. His session encouraged students to actively participate and embrace learning with enthusiasm. Following this, Nagendra Kumar, NSS Coordinator, delivered an insightful speech, highlighting the importance of education, the significance of recycling, and the collective responsibility of students in shaping a better future.

The overwhelming enthusiasm of the students, coupled with the unwavering dedication of the organizers, made this event a memorable and meaningful experience. The WOW initiative at Lakdaram ZPHS served as a stepping stone towards fostering a culture of knowledge-sharing, self-improvement, and sustainable practices among young learners, reinforcing GITAM University's dedication to social responsibility and educational empowerment.



Geo Ciril fun activities with the students.



Dr. Nagendra Kumar's interaction with students.



Volunteering Student's distribution of books and other materials



Impactful Reach:

The initiative's outreach was impressive, benefiting over 1100+ students across the three recipient schools. The distribution aimed to provide these students with valuable resources to support their educational endeavours.

A diverse range of essential stationery items and books were distributed to the students, including Octane Pens, SS prime ball pens, Apsara pencils, Sharpeners, Erasers, Scales, Unruled and Single-line notebooks, and crayons. This initiative provided students with the necessary resources for a productive and creative learning experience. These are the stationery items and books are distributed to Schools.

Conclusion:

The WOW initiative's event on November 10, 2023, showcased the tremendous potential of collaborative efforts in promoting sustainable practices and education. The distribution of resources to deserving schools underscored the transformative impact of recycling waste for a brighter future. The enthusiastic participation of students and the support of various departments and clubs demonstrated a shared commitment to positive change. This event marks the beginning of a journey towards a more empowered and sustainable community, embodying the essence of well-being out of waste (WOW).



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