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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

Date: 15th September 2022

Occasion: Launch of G-Electra Smart Systems Club & Engineer's Day

Venue: B 603; Department of Electrical, Electronics, and Communication Engineering

(EECE), GITAM Hyderabad

Introduction

The Department of Electrical, Electronics, and Communication Engineering (EECE) at GITAM Hyderabad witnessed a historic moment with the inauguration of its first-ever technical club—G-Electra Smart Systems Club. This initiative, led by students and faculty, aims to foster innovation, interdisciplinary research, and technical excellence in smart systems, automation, the Internet of Things (IoT), artificial intelligence (AI), and robotics.

The inauguration was strategically planned on Engineer's Day (September 15th), commemorating the birth anniversary of Sir M. Visvesvaraya, a pioneer in Indian engineering. The event served as a platform for knowledge-sharing, technical competitions, leadership announcements, and interactive discussions with esteemed academic leaders.

The primary objectives of the G-Electra Smart Systems Club include:

- **Encouraging hands-on learning** through workshops and technical training.
- **♥ Fostering innovation and research** in smart technologies.
- **✓ Facilitating collaboration** with industry professionals and research institutions.
- **⊘** Organizing competitions and hackathons to enhance problem-solving skills.
- **♥ Providing students with exposure** to real-world applications in engineering.

The event was marked by the enthusiastic participation of students, faculty, and distinguished guests, making it a memorable milestone in the department's academic and extracurricular journey.

Dignitaries and Special Guests

The event was honored by the presence of prominent academic leaders, who provided invaluable insights and encouragement to the students.

Chief Guests and Keynote Speakers

Dr. D. S. Rao, Pro Vice-Chancellor, GITAM Hyderabad

Dr. N. Seetharammayya, Associate Director, GITAM Hyderabad

D. V. S. S. R. Varma, Resident Director, GITAM Hyderabad

Dr. T. Madhavi, Head of Department (HoD), EECE

Faculty Coordinators & Mentors

M. Naresh Kumar, Assistant Professor & Faculty Coordinator Dr. D. Anitha, Faculty Coordinator, EECE

These dignitaries applauded the initiative and stressed the importance of student-led technical clubs in bridging the gap between academic learning and practical industry applications.

Event Segments and Key Highlights

The inauguration ceremony was structured into multiple engaging and insightful sessions, ensuring a holistic experience for attendees.

Traditional Inauguration Ceremony

- **Lighting of the Lamp** The event began with the auspicious lighting of the lamp, symbolizing the pursuit of knowledge, wisdom, and enlightenment.
- **Welcome Address** The organizing committee extended a warm welcome to all dignitaries, faculty, and students.

Keynote Speeches and Inspirational Talks

- Dr. D. S. Rao (Pro Vice-Chancellor) delivered an inspiring keynote address, discussing the role of engineering in shaping the future and how initiatives like G-Electra can empower students with hands-on technical experience.
- D. V. S. S. R. Varma (Resident Director) highlighted the importance of research and innovation in the modern era and encouraged students to explore interdisciplinary projects.
- Dr. T. Madhavi (HoD, EECE) emphasized the significance of technical clubs in nurturing creativity, teamwork, and leadership among students.
- M. Naresh Kumar (Faculty Coordinator) discussed upcoming initiatives, including workshops, hackathons, industrial visits, and mentorship programs.
- M. V. N. P. S. Pranav (Founder & Secretary, G-Electra) shared the vision, mission, and objectives of the club, outlining how it aims to create a vibrant technical ecosystem.

Official Logo Launch of G-Electra Smart Systems Club

One of the most significant moments of the event was the unveiling of the club's official logo, symbolizing innovation, technology, and collaboration.

The logo was launched by:

- Dr. D. S. Rao (Pro Vice-Chancellor)
- D. V. S. S. R. Varma (Resident Director)
- N. Seetharammayya (Associate Director)
- Dr. K. Manjunatha Chary

The logo represents the club's core values—excellence, creativity, and technological advancement.

Technical competitions and student activities were organized to commemorate the launch of the club, providing students with opportunities to showcase their problem-solving skills, innovation, and technical knowledge.

Competitions conducted:

- Project Expo: Showcasing innovative projects in IoT, automation, robotics, and AI.
- Just A Minute (JAM) Session: A quick-thinking and articulation challenge, testing students' ability to speak on a technical topic within one minute.
- Paper & Poster Presentation: Displaying cutting-edge research ideas in smart technologies.
- Logo Designing Competition: Encouraging creative representations of the club's theme.

Prize distribution ceremony was held to recognize the winners of each competition. They were awarded prizes and certificates in appreciation of their talent, effort, and dedication.





Announcement of the Executive Body

The official Executive Committee of G-Electra was introduced to oversee future events and club activities.

Executive Leadership Team

- Founder & Secretary:
 - o M. V. N. P. S. Pranav
- Joint Secretaries:
 - o A. A. D. Praneesh
 - o P. Deepak
- Treasurer:
 - T. Ravi Chandra
- Domain Leads:
 - o B. Saketh
 - o K. Hrishikesh
 - o R. Dhrithi
 - o D. Varun Sai
 - V. Harsha Sai
 - o M. Sathvika



Faculty Coordinators

- M. Naresh Kumar (Assistant Professor, EECE)
- Dr. D. Anitha (EECE Department)

The executive members pledged their commitment to driving the club's mission forward.

Vote of Thanks & Conclusion

The event concluded with a **Vote of Thanks** delivered by **Joint Secretary A. A. D. Praneesh**, expressing gratitude towards:

- ✓ The distinguished guests and faculty for their support.
- ✓ The organizing team and club members for their hard work.
- ✓ **The participants** for their enthusiasm.





















"Our Team"



Conclusion & Future Vision

The inauguration of G-Electra Smart Systems Club marked a transformational step for the EECE Department at GITAM Hyderabad.

- The club will facilitate hands-on learning, industry collaborations, and technical mentorship programs.
- Future plans include workshops, hackathons, industrial visits, and certification courses.
- The success of this launch has set the foundation for a thriving technical community at GITAM Hyderabad.

Workshop

Workshop on Smart IoT Solutions – Innovation through Connectivity

On August 26, 2022, a highly engaging Workshop on Smart IoT Solutions was conducted, providing students with an in-depth understanding of Internet of Things (IoT) technologies and their applications in real-world scenarios. The session was designed to introduce participants to smart automation, data analytics, and cloud connectivity, enabling them to build and implement intelligent IoT solutions.

The workshop was facilitated by **industry experts and IoT professionals**, who guided students through interactive sessions and hands-on training. The objective was to empower participants with the necessary skills to **design**, **develop**, **and deploy IoT-enabled smart solutions** for various industries.

Key Highlights of the Workshop

Introduction to IoT and Smart Systems

The session commenced with an insightful discussion on the **fundamentals of IoT**, **its architecture**, **and role in smart solutions**. Participants explored how IoT is transforming industries such as **healthcare**, **smart cities**, **home automation**, **industrial automation**, **and agriculture**.

• Hands-on Experience with IoT Devices and Sensors

Students were introduced to various IoT hardware components, including microcontrollers (Arduino, ESP8266, Raspberry Pi), sensors, actuators, and communication modules. They gained practical exposure by working with temperature sensors, motion detectors, RFID, and cloud-based IoT platforms.

• IoT Communication and Cloud Integration

A major focus of the workshop was on wireless communication protocols such as MQTT, HTTP, Bluetooth, and Lora WAN. Participants learned how to connect IoT devices to cloud platforms like Google Firebase, AWS IoT, and Thing speak to enable real-time data monitoring and analytics.

• Development of Smart IoT Solutions

- **Smart Home Automation:** Remote control of electrical appliances using IoT.
- Smart Traffic Management System: IoT-based traffic control and monitoring.
- Smart Healthcare Solutions: IoT-enabled patient monitoring and health tracking.

Challenges, Security, and Future Trends in IoT

The session also covered critical aspects of IoT security, data privacy, and best practices for IoT implementation. Experts shared insights into the latest advancements in Alpowered IoT, edge computing, and block chain for IoT security.

Impact and Learning Outcomes

- ✓ Hands-on experience in **IoT hardware**, **software**, **and cloud integration**.
- ✓ Practical knowledge of real-time data acquisition, processing, and automation.
- ✓ Understanding of IoT communication protocols and security best practices.
- ✓ Confidence in developing **smart IoT projects** for real-world applications.

The workshop concluded with an **interactive Q&A session**, where students had the opportunity to **clarify doubts**, **seek expert guidance**, and **explore future career opportunities in IoT and smart technologies**.

Overall, the Workshop on Smart IoT Solutions was a highly productive and enlightening experience, equipping students with the skills to innovate and contribute to the rapidly evolving IoT ecosystem.









<u>Two-Day Hands-on Robotics Workshop – Exploring the Future of Automation</u>

On July 28-29, 2022, a Two-Day Hands-on Robotics Workshop was conducted, offering students a comprehensive learning experience in robotics, automation, and embedded systems. The workshop aimed to equip participants with the knowledge and skills required to design, build, and program robots for various real-world applications.

The event was structured to provide **both theoretical insights and practical exposure**, allowing students to develop a **strong foundation in robotics** while working on **interactive projects**. **Industry experts and robotics professionals** facilitated the sessions, ensuring an engaging and informative experience.

Key Highlights of the Workshop

• Introduction to Robotics and Embedded Systems

The workshop began with an overview of **robotics**, **automation**, **and control systems**. Participants were introduced to key concepts such as **robot kinematics**, **sensors**, **actuators**, **and microcontrollers** (**Arduino & Raspberry Pi**).

• Hands-on Training with Robotics Components

Students gained practical exposure to **assembling and programming robots**, including:

- **✓ Motor and Sensor Integration** Working with ultrasonic, infrared, and motion sensors.
- ✓ Microcontroller Programming Writing scripts for Arduino and Raspberry Pi.
- Wireless Communication − Using Bluetooth and Wi-Fi modules for remote control
- **✓ Mechanical Design** Assembling robotic arms, line-following robots, and obstacle-avoiding robots.

• Project-Based Learning and Team Activities

Participants collaborated in teams to build **functional robotic prototypes**, applying the concepts learned during the workshop. Some of the hands-on projects included:

- ✓ Autonomous Line-Following Robot A robot capable of following a predefined path
 using IR sensors.
- **⊘ Obstacle-Avoidance Robot** − A self-navigating robot using ultrasonic sensors.
- **⊘** Robotic Arm Control A robotic arm programmed to pick and place objects.
- \checkmark Gesture-Controlled Robot A robot controlled through hand movements and gestures.

• Advanced Topics in Robotics and AI Integration

The workshop also covered **AI-powered robotics**, discussing how **machine learning** and **computer vision** are revolutionizing the field. Experts introduced students to **robotics applications in industries such as healthcare, manufacturing, and defense**.

Impact and Learning Outcomes

- ✓ Practical understanding of **robotics hardware**, **sensors**, **and actuators**.
- ✓ Hands-on experience in coding, automation, and robotic motion control.
- ✓ Confidence in developing **DIY robotic projects**.
- **✓** Exposure to **AI-driven robotics and future career opportunities**.

The workshop concluded with an **interactive Q&A session**, where students received guidance on **further learning resources**, **career pathways**, and **advanced robotics research**.

Overall, the **Two-Day Hands-on Robotics Workshop** was a **highly immersive and enriching experience**, inspiring students to **explore the world of robotics and automation** with confidence and enthusiasm.









International Journals

Prof. T. Madhavi has published a research paper titled "Understanding of Different MPPT Algorithms to Improve the Performance of Boost Converter" in the journal International Journal of Engineering Trends and Technology. The paper was published in July 2022, appearing in Volume 70, Issue 7. Indexed in Scopus, the journal holds an H-index of 13, an impact factor of 0.19, and is categorized as a Q4 journal. Published by the International Journal of Engineering Trends and Technology, this research highlights Prof. Madhavi's contributions to enhancing the efficiency of boost converters through advanced Maximum Power Point Tracking (MPPT) algorithms, playing a crucial role in optimizing renewable energy systems.

Mrs. Arunjyothi E. has published a research paper titled "Low Area and Power-Efficient FPGA Implementation of Improved AM-CSA-IIR Filter Design for DSP Applications" in the journal International Journal of Electrical and Electronic Engineering and Telecommunications. The paper was published in July 2022, appearing in Volume 11, Issue 4. Indexed in Scopus, the journal holds an H-index of 2 and is categorized as a Q2 journal with a citation index of 4. Published by Warsaw University of Technology, this research highlights Mrs. Arunjyothi's contributions to developing optimized FPGA-based filter designs, enhancing efficiency in digital signal processing applications.

Dr. S. V. Padmavathi has published a research paper titled "Two Inductor Non-Isolated Chopper Fed to Diode Clamped Multi-Level Inverter" in the journal High Technology Letters. The paper was published in November 2022, appearing in Volume 28. Indexed in the UGC CARE list, the journal is recognized at the international level. Published by the International Scopus Journal of Scientific Research, this research highlights Dr. Padmavathi's contributions to advanced power electronics, focusing on efficient multi-level inverter topologies for improved energy conversion and performance.

Prof. T. Madhavi has published a research paper titled "Conceptual Modeling of Comparative Analysis of Crosstalk Effects in Dielectric Inserted Horizontal and Vertical Multi-layer GNR Interconnects for Ternary Logic System" in the ECS Journal of Solid-State Science and Technology. The paper was published in August 2022, appearing in Volume 11, Issue 8. Indexed in Scopus, Web of Science (WoS), and SCI, the journal holds an H-index of 68 and an impact factor of 2.2, with a citation index of 3. Published by ECS Journal of Solid-State Science and Technology, this research highlights Prof. Madhavi's significant contributions to the field of nanoelectronics, focusing on the mitigation of crosstalk effects in advanced ternary logic systems using graphene nanoribbon interconnects.

Prof. P. Trinatha Rao has published a research paper titled "Maximal-Minimum Hybrid Approach with Decomposed SLM Technique for 5G UFMC System PAPR Reduction" in the International Journal for Light and Electron Optics. The paper was published in November 2022, appearing in Volume 270, Issue 2. Indexed in Scopus, Web of Science (WoS), and SCI, the journal has a citation index of 4. Published by Elsevier, this research focuses on enhancing the efficiency of 5G Universal Filtered Multi-Carrier (UFMC) systems by reducing Peak-to-Average Power Ratio (PAPR) using an advanced hybrid optimization approach, contributing to improved signal processing and communication performance.

Prof. Prasantha R. Mudimela has published a research paper titled "Comprehensive Review of Low Pull-in Voltage RF NEMS Switches" in the journal Microsystem Technologies. The paper was published in October 2022, appearing in Volume 29. Indexed in Scopus and SCI, the journal holds an H-index of 74 with a citation index of 4. Published by Springer, this research provides an in-depth review of advancements in low pull-in voltage RF NEMS switches, highlighting their significance in enhancing the performance and energy efficiency of next-generation microsystems and communication technologies.

Dr. Shantanu Saha has published a research paper titled "Helicity Exchange and Symmetry Breaking of In-Plane Phonon Scattering of h-BN Probed by Polarized Raman Spectroscopy" in the journal Applied Physics Letters. The paper was published in October 2022, appearing in Volume 29. Indexed in Scopus, Web of Science (WoS), and SCI, the journal holds an H-index of 74, an impact factor of 2.1, and a citation index of 5. Published by the American Institute of Physics, this study explores the fundamental phonon interactions in hexagonal boron nitride (h-BN) using polarized Raman spectroscopy, offering valuable insights into material properties crucial for advanced optoelectronic and nanophotonic applications.

Mr. B. Prasad has published a research paper titled "Design of an Efficient Face Recognition System Using Deep Learning Technique" in the journal International Journal of Electrical and Electronics Research (IJEER). The paper was published in September 2022 in Volume 10, Issue 3. Indexed in Scopus, the journal holds an H-index of 10, an impact factor of SJR: 0.17, and a citation index of 0. Published by Forex Publications, this study presents an advanced deep learning-based approach for face recognition, contributing to the field of artificial intelligence and biometric security systems.

Dr. D. Anitha has published a research paper titled "Ultra Low Power SRAM Design" in the journal International Journal of Reconfigurable Embedded Systems. The paper was published in December 2022 in Volume 29, Issue 1. Indexed in Scopus, the journal holds an **H-index of 7**, an impact factor of 0.7, and a citation index of 1. Published by Springer, this study explores innovative techniques for designing ultra-low-power SRAM, contributing to advancements in energy-efficient memory architecture.

Dr. Md. Masood Ahmad has published a research paper titled "Ultra Low Power SRAM Design" in the journal International Journal of Reconfigurable Embedded Systems. The paper was published in December 2022 in Volume 29, Issue 1. Indexed in Scopus, the journal holds an **H-index of 7**, an impact factor of 0.7, and a citation index of 1. Published by Springer, this study focuses on novel strategies for designing ultra-low-power SRAM, offering significant contributions to the development of energy-efficient memory systems in embedded applications.

Mrs. Arunjyothi E. has published a research paper titled "FPGA Based Matched Filter Design Using Modified Masking Signal Generator" in the journal International Journal of Engineering Trends and Technology. The paper was published in October 2022 in Volume 70, Issue 10. Indexed in Scopus, the journal holds an H-index of 0, an impact factor of 0, and a citation index of 1. Published by Seventh Sense Research Group, this study presents an innovative FPGA-based approach to matched filter design, enhancing signal processing techniques for various engineering applications.

Dr. S. V. Padmavathi has published a research paper titled "ANFIS Control Based Improve PCC Voltage Quality of an Isolated Photovoltaic-Wind and Hybrid Energy Restoration Microgrid System" in the journal Microsystem Technologies. The paper was published in December 2022 in Volume 29, Issue 6. Indexed in Scopus, the journal holds an H-index of 74, with a citation index of 0 and impact factor of 0. Published by Springer, this study explores advanced ANFIS control techniques for improving the point of common coupling (PCC) voltage quality in hybrid energy restoration microgrid systems, contributing to the enhancement of renewable energy integration.

Dr. Ch. Praveen Kumar has published a research paper titled "Temperature Dependent Analysis of Mixed CNT Bundle Interconnecting Using Active Shielding Technique" in the journal ECS Journal of Solid State Science and Technology. The paper was published in September 2022 in Volume 11, Issue 9. Indexed in SCIE, Scopus, and WoS, the journal holds an H-index of 68, an impact factor of 2.2, and a citation index of 0. Published by IOP Science, this study provides valuable insights into the temperature-dependent behavior of mixed carbon nanotube bundles, utilizing active shielding techniques to improve interconnect performance in electronic applications.

Prof. Manjunathachari K. has published a research paper titled "Differentially Evolved RBFNN for FNAB-Based Detection of Breast Cancer" in the journal Lecture Notes on Data Engineering and Communications Technologies. The paper was published in September 2022 in Volume 101. Indexed in Scopus, the journal holds an H-index of 23, an impact factor of 1.5, and a citation index of 1. Published by Springer Science and Business Media Deutschland GmbH, this study presents an innovative approach using differentially evolved radial basis function neural networks (RBFNN) for the early detection of breast cancer, contributing significantly to advancements in medical data analysis and diagnostic technologies.

Student Achievements

ATOMS-22 Tech Expo

Organized by: BITS Pilani – Hyderabad

Date of Event: 27/11/2022

1st Runner-up (Cash Prize of ₹20,000)

Project Name: Home Automation – Smart Living Solutions

The Home Automation project focused on designing an intelligent and energy-efficient home automation system powered by the Internet of Things (IoT). The system allowed users to remotely control and monitor various household appliances, enhancing convenience, security, and energy savings.

Key Features:

✓ Smart Control: Users could operate lights, fans, and other electrical devices via a mobile application.

✓ Voice Assistance Integration: The system was compatible with Google Assistant and Amazon Alexa, enabling voice-controlled automation.

✓ Energy Monitoring: Real-time tracking of power consumption helped in optimizing energy usage.

✓ **Security Enhancements:** Motion sensors and smart door locks provided additional safety features.

✓ **Cloud-Based Automation:** Remote access through IoT cloud platforms ensured seamless control from anywhere.

This project stood out due to its **practicality**, **real-world applications**, **and scalability**, making it a strong contender at the expo.

Team Members:

- P. Deepak 2nd Year
- G. Anirudh 2nd Year
- B. Gurpreet Singh 2nd Year
- Ch. Amoolya 2nd Year



2nd Runner-up (Cash Prize of ₹20,000)

Project Name: Blended Vision – AI-Powered Assistive Technology for the Visually Impaired

The Blended Vision project was an AI-driven assistive system designed to aid visually impaired individuals by providing real-time object detection, navigation assistance, and text-to-speech capabilities. Using computer vision and deep learning algorithms, the system analyzed the surrounding environment and provided audio feedback to the user.

Key Features:

- ✓ **Object and Obstacle Detection:** AI-powered image recognition identified objects and obstacles in real-time.
- ✓ Text Recognition and Speech Conversion: Optical Character Recognition (OCR) technology converted written text into speech, assisting with reading.
- ✓ Facial Recognition: The system could recognize and identify known faces, enhancing social interaction.
- ✓ Smart Navigation: Integrated GPS and ultrasonic sensors guided users safely through their surroundings.
- ✓ Wearable and Portable Design: The solution was designed to be compact and easy to use, ensuring convenience for visually impaired users.

This innovative project demonstrated the potential of AI and IoT in **enhancing accessibility and inclusivity** for people with visual impairments.

Team Members:

- M. V. N. P. S. Pranav 3rd Year
- K. Manikanta 3rd Year
- Divya Sagar 3rd Year





"Our Team"



Media Coverage



పటావ్**చెరు, స్పూస్ట్ మ**ేక్స్ హైదరాజాద్ యూనిట్ వార్షికోత్సవాన్ని ఫెస్ట్ ఆటమ్స్-22 పేరుతో నిర్వహించారు. దీనిలో పటాన్చెరు మండలం రుడ్రారం గ్రామం గీతం డీమ్డ్ విశ్వవిద్యాలయం విద్యార్థులు హోం ఆటోమి షన్, బ్రెండెడ్ విజన్ ప్రాజెక్టులను... ఈఈసీఈ రెండవ సంవత్సరం విద్యా ర్మలు దీపక్, ఆనిరుధ్, గురుడ్రీతోసింగ్, ఆమూల్యల బృందం హోంఆటోమీ షన్... మూడోఏడాది విద్వార్యులు ఎంవీఎస్ఎన్ ద్రవీణ్, మణికంఠ, దవ్యసా గర్ బృందం విజన్ ప్రాజెక్టను ప్రదర్శించి నగదు పురస్కారం అందుకు న్నారు. ఈ సందర్భంగా ఆ విద్యార్భులను ఈఈసీఈ విభాగం హెచ్ఓడీ మాధవి, ఆదనపు ఉపకులపతి డీఎస్రావు, స్రిమ్మిపల్ సీతారామయ్య అభినం దించారని గీతం ప్రతినిధులు బుధవారం ఓ ప్రకటనలో తెలిపారు

Date: 01/12/2022 EditionName: TELANGANA (CYBERABAD) PageNo:

Thursday 1 December, 2022

GITAMites bagged II & III Positions in 'ATOMS-22'



(By Our Reporter / Skyline) Patancheru, Novem-

ber 30 : G-Electra (Smart Systems Club), Department of Electrical, Electronics and Communication Engineering (EECE), School of Technology, GITAM, Hyderabad won the second and third prizes in Tech Expo 'AT-OMS-22', recently organized at the BITS tion. EECE second-year Hyderabad. Home Auto-mation and Blended Vision projects of GITAM Singh, and Ch. Amoolya bagged the second and demonstrated the Home

monetary award. Apart from that, the projects were highly extolled by the judges. Teams from various universities across India working on long-term projects were called to showcase their models/prototypes in this competition. The teams set up the stalls and demonstrated their models. students P.Deepak, G.Anirudh, B.Gurpreet third positions with a Automation project and achievement.

third-year students MVSN Pranay. K.Manikanta and Divya Sagar presented the Blended Vision project. Prof.D.S.Rao, Pro VC. GITAM, Hyderabad; Prof.N.Seetaramaiah, Principal, School of T e c h n o l o g y ; Prof.T.Madhavi, HoD, EECE; Y.Damodar Rao, Research Engineer; Dr.D.Anitha and M.Naresh Kumar, G-Electra club coordinators appreciated both the team members on their



సాంకేతిక ప్రదర్శనలో ప్రతిభ చాటిన గీతం విద్యార్థులు

పటాన్చెరు, నవంబర్ 30 (ప్రభన్యూస్):

గీతం విద్యార్థులు మరోసారి జాతీయ స్థాయి పోటీలలో డ్రుతిభ చాటి, తమ అత్యుత్తమ సాంకేతికత, డ్రదర్శనలకు గాను ద్వితీయ, తృతీయ స్థానాలనమ కైవసం చేసుకున్నారు. జీ- ఎలక్ట్రా (స్మార్ట్ సిస్టమ్స్ క్లబ్) విద్యార్థులు ఇటీవల బిట్స్ హైదరాబాద్ వార్షిక ఫెస్ట్ ఆటమ్స్ 22లో తమ హోం ఆటోమేషన్, బ్లైండెడ్ విజన్ ప్రాజెక్టులకు గాను నగదు పురస్కారాన్ని పొందినట్టు ఈఈసీఈ విభాగాధిపతి ప్రాఫాసర్ టి. మాధవి



ద్వితీయ, తృతీయ స్థానాలు కైవసం చేసుకున్న విద్యార్థులు

బుధవారం విడుదల చేసిన స్థకటనలో పేర్కొన్నారు. దేశ నలుమూలల నుంచి పలు విశ్వవిద్యాలయాల విద్యార్థులు ఈ పోటీలలో పాల్గొని, తమ నమూనాలు/ ప్రోటో టైప్ ప్రాజెక్టులను స్థదర్శించినట్టు ఆమె తెలిపారు. గీతం ఈఈసీ ఈ రెండో ఏడాది విద్యార్థులు పి. దీపక్, జి. అనురుధ్, బి. గురుట్రీత్సింగ్, సీహెచ్. అమూల్యల బృందం హోం ఆటో మేషన్ ప్రాజెక్టును, మూడో ఏడాది విద్యార్థులు ఎంపీఎస్ఎస్ స్థబవ్, కె. మణికంఠ, దివ్యసాగర్లు బృందం విజస్ ప్రాజెక్టులను ప్రదర్శించి, న్యాయచమూర్తుల ప్రశంసలను పొందినట్టు డాక్టర్ మాధవి వివరించారు. గీతం హైదరాబాద్ అదనపు ఉపకులపతి ప్రహేషనర్ డీఎస్ రావు, స్కూల్ ఆఫ్ టెక్నాలజీ ద్రీన్సిపాల్ ప్రోఫెసర్ ఎస్ సీతారామయ్య, పరిశోధనా ఇంజనీర్ వై. దామోదర్రావు, జీ - ఎలక్ట్రాక్టట్ సమన్వయకర్తలు డాక్టర్ డి. అనిత, ఎం. నరేష్క్రమూర్లలు తదితరులు జాతీయస్థాయి పోటీలలో రాణించిన ఈ రెండు జట్ల సభ్యులను అభినందించినట్టు ఆ స్థకటనలో పేర్కొన్నారు.

> Date: 01/12/2022, Edition: Medak, Page: 7 Source: https://epaper.prabhanews.com/

సాంకేతిక ప్రదర్శనలో గీతం విద్యార్థుల ప్రతిభ



విద్వార్మలతో ప్రాఫెసర్ డీఎస్ రావు

పటానిచెరు, నవంబర్ 80: గీతం విద్యార్థులు మరోసార్ జాతీయ స్థాయి పోటీల్లో ట్రతిభను చాటి తమ అత్యుత్తమ సాంకేతికత, ట్రదర్శనలకు ద్వితీయ, శృతీయ స్థానాలు కైవ సం చేసుకున్నారు. జీ– ఎలక్ష్మా (స్మార్ట్ర్ సిస్టమ్స్ల్ క్లబ్) విద్యా ర్థులు ఇటీవల బిట్స్ హైదరాబాద్ వార్షిక ఫెస్ట్ ఆటమ్స్–22లో తమ హోం అటోమేషన్, బ్లెండెడ్ బిజన్ ప్రాజెక్టులకు నగదు పురస్కారాన్ని పొందినట్లు ఈఈసీఈ హెడ్ ప్రొఫెనర్ టీ.మా ధవి బుధవారం ఒక ప్రకటనలో పేర్కొన్నారు. విద్యార్థులు తమ నమానా లు, ప్రోటోటైప్ ప్రాజెక్టులను ప్రదర్శించారు. గీతం ఈఈసీఈ రెండో ఏడాది విద్యార్థులు పీ.దీపక్, జీ.అని రుధ్, బి.గరుప్రీకేసింగ్, సీహెచ్ అమూల్యల బృందం హోం అటోమేషన్ ప్రాజెక్టు, మూడో ఏడాది విద్యార్థులు ఎంబీఎస్ ఎన్ ప్రణమ్, మెడ్రక్లు, మూడో ఏడాది విద్యార్థులు ఎంబీఎస్ ఎన్ ప్రడర్శించి, న్యాయమూర్తుల ప్రసంసలు పొందారని పేర్కొన్నారు. గీతం హైదరాబాద్ అదనపు ఉపకులపతి ప్రాహెఫ్ సర్ డీమ్ రావు, స్కూల్ ఆఫ్ టెక్నాలజీ ప్రిస్సిపాల్ ప్రొఫెసాదర్ ఎనీసీతారామయ్య, 'పరిశోధనా ఇంజిసీర్ వై.దామెనద్ రావు, జీ–ఎలక్ట్రా క్లబ్ సమున్వయకర్తలు డాక్టర్ డీ.అనిక, ఎం.సురేక్కకుమార్ రెండు జట్ల సభ్యులను అభినందించారు.

సాంకేతిక ప్రదర్శనలో ప్రతిభ చాటిన గీతం విద్యార్థులు

సామాజక సారం, పటావ్ చెరు: గీతం ఏద్యార్తులు మరో సారి జాతీయ స్థాయి పోటీలలో ప్రతిభ చాటి, శమ అక్కుక్తమ సాంకే తికత, ప్రదర్శనలకు గాను ద్వితీయ, శృతీయ స్థానాలను జైవసం చేసుకున్నారు. జీ - ఎలక్కా (స్మార్ట్ర్ సిస్టమ్స్ క్లబ్) విద్యార్థులు ఇటీవల బిట్స్ హైదరాబాద్ వ్యార్థిక ఇస్ట్ 'ఆటమ్స్ -22 లో శమ హోం ఆటోమేషన్, బైందెడ్ ఏజన్ ఫ్లాజెక్టులకు గాను నగదు పురస్కారాన్ని పొందినట్లు ఈఈసీఈ విభాగాధి పతి ప్రొఫెనర్ మాధవి బుధవారం పేర్కొన్నారు. దేశ నలుమూ లల నుంచి పలు విశ్వవిద్యాలయాల విద్యార్థులు ఈ పోటీలలో పాల్గొని, తమ సమావాలు (ఫ్లోటోబెస్ట్ ఫ్లాజెక్టులను ప్రదర్భిం చినట్లు ఆమె తెలిపారు. గీతం ఈఈసీఈ రెండో ఏదాది విద్యార్థులు సి.దీపక్, జి.అనిరుధ్, బి.గురుద్దీక్ సింగ్, సీహెచ్.అమూల్మల బృందం హోం ఆటోమేషన్ ప్రాజెక్తును, మూటో ఏదాది విద్యార్థులు ఎంపీఎస్ఎస్ ప్రణప్, కె.మటికంఠ, దివ్యసాగర్ బృందం విజస్ ప్రాజెక్టులను ప్రదర్శించి, న్యాయ మూర్తుల ప్రశంసలను పొందినట్లు దాక్టర్ మాధని వివరిం చారు. గీతం హైదరాబాద్ అదనష్ మమంలపిత్తి ప్రొఫెసర్ డీఎస్ రావు, స్కూల్ ఆఫ్ బెక్కాలజీ ఫ్రిస్సిఫాల్ ప్రాఫెసర్ సీకా రామయ్య, పరిశోధనా ఇంజసీర్ దామోదర్ రావు, జీ - ఎలక్టో క్లబ్ సమన్వయకర్తలు దాక్టర్ తారిక, నదేష శరిధికరులు జాతీయ స్వాయి పోటీలలో రాణించిన ఈ రెందు జట్ల సభ్యులను అభిసందించినట్లు కెలిపారు.

Thu, 01 December 2022 https://epaper.samajikasarathi.com/c/71016600



నవతేలంగాణ

సాంకేతిక ప్రదర్శనలో ప్రతిభ చాటిన గీతం విద్యార్థులు



నవతెలంగాణ-పటాన్చెరు

గీతం విద్యార్థులు మరోసారి జాతీయ స్థాయి పోటీల్లో ప్రతిభ వాటి, తమ అత్యుత్తమ సాంకేతికత, ప్రదర్శనలకు గాను ద్వితీయ, తృతీయ స్థానాలను క్రైవసం చేసుకున్నారు. జీ – ఎలక్ష్మా (స్మార్ట్ సిస్టమ్స్ట్ క్షబ్) విద్యార్థులు ఇటీవల బీట్స్ హైదరాబాద్ వార్షిక ఫెస్ట్ ' ఆటమ్స్ట్ – 22'లో తమ హూం ఆటోమేషన్, బ్లెండెడ్ విజస్ ప్రాజెక్టులకు గాను నగదు పుర

స్కారాన్ని పొందినట్లు ఈఈసీఈ విభాగాధిపతి ప్రాఫెసర్ టి.మాధవి బుధవారం విడుదల చేసిన ప్రకటనలో పేర్కొ న్నారు. దేశ నలుమూలల నుంచి పలు విశ్వవిద్యాలయాల విద్యార్థులు ఈ పోటీలలో పాల్గొని, తమ నమూనాలు / ప్రోటోటెస్ట్ ప్రాజెక్టులను ప్రదర్శించినట్లు ఆమె తెలిపారు. గీతం ఈఈసీఈ రెండో ఏడాది విద్యార్థులు సి.దీపక్, జి.అని రుధ్, బి.గురు(పీత్ సింగ్ , సీహెచ్ . అమూల్యల బృందం హూం ఆటోమేషన్ ప్రాజెక్కను, మూడో ఏడాది విద్యార్యలు ఎంవీఎస్ఎస్ ప్రణవ్, కె. మణికంఠ, దివ్యసాగర్ బృందం ప్రాజెక్టులను ప్రదర్శించి, న్యాయమూర్తుల పశంసలను పొందినట్టు డాక్టర్ మాధని వివరించారు గీతం హైదరాబాద్ అదనపు ఉపకులపతి (పొఫెసర్ డీఎస్ రావు, స్కూల్ ఆఫ్ టెక్నాలజీ మ్రిస్పిపాల్ ప్రొఫెసర్ ఎన్ సీతారామయ్య, పరిశోధనా ఇంజనీర్ వె.దామోదర్రావు, జీ – ఎలక్ర్లో క్లబ్ సమన్వయకర్తలు డాక్టర్ డి.అనిత, ఎం.నరేష్ కుమార్తు తదితరులు జాతీయస్థాయి పోటీల్లో రాణించిన రెండు జట్ల సభ్యులను ఈ సందర్భంగా అభినందించారు.

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జాతీయస్థాయి జల్స్ టెక్ ఎక్సిటో బ్వితీయ, తృతీయ స్థానాల్లో గీతం విద్యార్థులు



పరాశ్చేరు 30 నవంబర్ (అదాబ్ హైదరాబాద్) :గీతం విద్యార్ధులు మరో సారి జాతీయ స్థాయి పోటీలలో ప్రతిభ రాబీ, శమ అత్యుత్తను సాంకేతికత, ప్రదర్శనలకు గాను ద్వితీయ, శృతీయ స్థానాలను కెవనం చేసుకున్నారు. జీఎలుక్టా (స్మాక్ట్) స్టిమ్స్ శ్లబ్ విద్యార్థులు ఇదీవల బిట్స్ హెదరాబాద్ వార్మిక ఇస్ట్ 'ఆటమ్స్- 22'లో తమ హెకాం ఆటోమేషన్, జైండెద్ విజన్ ప్రాజెక్టులకు గాను నగదు పురస్యారాన్ని పొందినట్లు ఈతసీఈ విభాగాధిపతి (ప్రొఫ్యారు.దేశ నలుమూలల నుంచి పలు విశ్వవిద్యాలయాల విద్యార్థులు ఈ పోటీలలో పాల్గొని, తమ నమూనాలు, ప్రోటోటెస్ట్ ప్రాజెక్టులకు ప్రదర్శించినట్ల అమె తెలిస్తారు. గీతం ఈతసీత రెందో ఏదాది విద్యార్థులు మీడివేస్, జి.అనిరుధ్, బి.గురుట్రీతినింగ్, సీహెవ్ అమాల్మల ఖృందం హెకాం అటోమేషన్ ప్రొజెక్టులను ప్రదర్శించినట్లు అమె విద్యాస్థులు ఎంపిఎసెఎస్ ప్రజన్, కె.మణీకండ, ది.గురుట్రీతినింగ్, సీహెవ్ అమాల్యల ఖృందం హెకాం అటోమేషన్ ప్రొజెక్టులను ప్రదర్శించి, న్యాయమూర్తుల ప్రతంసలను పొందినట్లు దాక్టర్ మాధని వివరించారు. గీతం హెదరాబద్ అవన ఉపకులపతి ప్రొఫ్యానర్ ఓఎస్ రావు, స్మూల్ అఫ్ బెక్సాలజీ ఓఎస్ చారంలాదే అదనష్ఠ ఉపకులపతి ప్రొఫ్యానర్ డీఎస్ రావు, స్మూల్ అఫ్ బెక్సాలజీ ఓఫిస్సేపార్ ఎస్.సీతారామయ్య, పరిశోధనా ఇంజసీర్ విదానికే కమార్ లు వదిశరులు జాతీయస్థాయి పోటీలలో రాడించిన ఈ రెందు ఉద్ద సమస్వయకర్తలు దాక్టర్ డింనిన ఉంచిందిన ఈ రెందు ఉద్ద సమస్వయతర్తలు దాక్టర్ డింనిన అరెందు ఉట్ల సభ్యులను అభినందించినట్ల ఆ ప్రకటలనో పేర్యహ్హార్సు.

Outreach

<u>G – Electra (Smart Systems Club) Report on Outreach Program ZHPS</u>

Date: 14th October 2022

Introduction

As part of our **WOW** (**Wellbeing Out of Waste**) **campaign**, the **G** – **Electra Club** successfully organized a philanthropic event aimed at promoting **sustainability and educational support**. The initiative involved the distribution of essential stationery items to students at **ZHPS**, fostering meaningful interactions and celebrating creativity through handcrafted paper flowers presented by the students to our club members.

This report provides a detailed account of the **planning**, **execution**, **and impact** of this initiative, which not only supported students in their academic journey but also highlighted the **transformative potential of repurposing waste materials** for social good.

Planning and Coordination

The event was **meticulously organized** by the G – Electra Club Events Committee. The following key steps were undertaken to ensure its success:

- Collaboration with ZHPS: Obtaining necessary permissions and logistical support.
- **Stationery Collection Drive:** Club members and local businesses contributed donations.
- **Partnership with ITC:** Books and stationery items were provided by ITC in exchange for collective book waste gathered from GITAM.
- **Promotional Efforts:** Awareness campaigns were designed, and materials were printed to engage the community.

Execution

On **14th October 2022**, G – Electra Club members arrived at **ZHPS** to set up the distribution area. The event unfolded as follows:

- A warm welcome and introduction session with school staff and students.
- **Distribution of stationery kits** containing notebooks, pens, pencils, and erasers to each student.
- **Interactive sessions**, where students shared their dreams and goals, with discussions on the significance of **environmental consciousness**.

Student Interaction & Creativity

The event was enriched by **engaging interactions and the students' impressive creativity**, which was showcased through their handcrafted paper flowers. The key highlights included:

- **Inspirational talks** by club members, focusing on academic excellence, sustainability, and personal development.
- **Acknowledgment of student creativity**, as club members were deeply touched by the thoughtful paper flowers they received as a token of appreciation.
- **Encouragement for environmental awareness**, reinforcing the importance of repurposing waste to build a sustainable future.

Impact and Key Takeaways

The event had a **profound impact** on both the students of **ZHPS** and the members of **G** – **Electra Club**:

- ✓ Enhanced Educational Resources: Students received essential stationery, supporting their academic pursuits.
- ✓ **Strengthened Community Bonds:** The initiative fostered a strong connection between G Electra Club and the local school.
- ✓ Encouragement of Creativity & Sustainability: Students demonstrated remarkable ingenuity in their craftwork, reinforcing the campaign's core message.
- ✓ **Inspiration for Future Initiatives:** The overwhelming success of this outreach program has motivated G Electra to **organize more community-focused projects** in the future.

Media Coverage and Documentation

The event was documented through **photographs and videos**, capturing the **vibrant atmosphere**, **student creativity**, **and the positive interactions** shared during the event. Media coverage included:

- Posts and updates on the **G Electra Club's official social media platforms**.
- Personal reflections and experiences shared by club members online, amplifying the event's reach and impact.

Acknowledgments

G – Electra Club extends **heartfelt gratitude** to:

- **ZHPS** for their warm collaboration and hospitality.
- All club members for their dedication and active participation.
- **Generous donors** whose contributions played a pivotal role in making this event a success.

Conclusion

The School Stationery Distribution Program, under the theme of "Wellbeing Out of Waste," was a true reflection of G – Electra Club's commitment to sustainability, education, and community welfare. The initiative not only provided tangible support to students but also reinforced the importance of repurposing waste for a meaningful cause.

Looking ahead, **G** – **Electra Club remains committed to organizing more initiatives** that contribute to both **environmental well-being and community development**, making a lasting impact on society.

