

The Compendium



Institute of Aeronautical Engineering(Autonomous)

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CYBER THREATS AND BUSINESS RESILIENCE: A SEMINAR FOR NEXT GENERATION MBA LEADERS

Businesses in the technology-driven era today are challenged with increasing cyber threats that have the potential to hamper operations, compromise confidential data, and cause immense financial losses. Cyber security is no longer a technical IT issue, but an important task of business leaders to secure stability and resilience over the long term. To meet this pressing concern, the MBA Department of the Institute of Aeronautical Engineering, Dundigal, Hyderabad conducted a seminar named "Cyber Threats and Business Resilience: What Every MBA Should Know" on June 19, 2024. The seminar was focused on equipping 1st-year MBA students with basic cybersecurity skills and measures to develop robust business models. The seminar had two guest speakers: Mr. Ashok Kumar Amirthalingam, Head of Indian Operations of CDA Technologies India Pvt Ltd. and Mr. Maninder Kumar, Advocate in Cyber Crimes at Averlex Chambers. Mr. Ashok Kumar Amirthalingam led an informative session on business security measures and cyber threats. He described various cyberattacks, their effects on businesses, and best practices for deploying effective cybersecurity measures. Using practical examples, he illustrated how firms can protect operations and avoid cyber breaches. Mr. Maninder Kumar concentrated on the regulatory and legal side of cybersecurity. He brought to light the significance of adhering to cybersecurity legislation, legal repercussions of data breaches, and the function of regulations in business resilience. His session put forth the idea of how companies need to adhere to cybersecurity guidelines in order to evade legal and monetary risks. The seminar also involved live Q&A sessions, during which students interacted with the experts, exploring industry-specific cybersecurity issues.

The seminar offered excellent insights into how businesses can be protected in the modern digital landscape. Through hosting such events, the MBA Department ensured that it continued to deliver on its vision of equipping future business leaders with the education and expertise to overcome cybersecurity threats and create secure, resilient organizations in the current digital economy.

-Hisham Khan

ENGINEERING THE FUTURE: INNOVATIVE STRATEGIES FOR RESEARCH SUCCESS

SEMINAR ON
Innovative
Engineering Research:
**STRATEGIES
FOR SUCCESS**

19 AUGUST 2024 @ 10 AM
Venue: AV Centre

INVITED SPEAKERS

Prof. Jakrapong Kaewkhao
Ph.D. Director,
Nakhon Pathom Rajabhat University,
Nakhon Pathom, Thailand.

Dr. P. Meejitpaisan
Faculty of Science and Technology,
Nakhon Pathom Rajabhat University,
Nakhon Pathom, Thailand.

Dr. Nuttwadee Intachai
Center of Radiation Research and Medical Imaging,
Department of Radiologic Technology,
Chiang Mai University, Thailand

Head of the Institution
Dr. L.V. Narasimha Prasad
Principal

Dr. D Shobha Rani
Dean, International Relations
& Higher Studies

Dr. D Govardhan
Dean, TEET & IR

Dr. P Reddy Prasad
Assoc. Dean, IR

In a rapidly evolving world, innovation in engineering research is more crucial than ever. On August 19, 2024, the Institute of Aeronautical Engineering, Dundigal, Hyderabad, hosted an insightful seminar "Innovative Engineering Research: Strategies for Success". The seminar was organized by the Dean of International Relations and Higher Studies at the AV Centre. The event aimed to explore innovative strategies in engineering research, offering valuable insights for academic and professional growth. The seminar commenced with an inspiring keynote by Prof. Jakrapong Kaewkhao. He emphasized the need for interdisciplinary research and how innovation can solve global engineering challenges with the potential to transform industries. Following this, Dr. P. Meejitpaisan presented on how AI and automation are revolutionizing engineering and can drive efficiency and create new opportunities in various engineering sectors. Furthermore, Dr. Nuttwadee Intachai focused on sustainable engineering practices and the integration of renewable energy solutions, demonstrating how engineering can contribute to environmental conservation and sustainability.

Beyond technology, the seminar addressed practical aspects – research strategies, including securing funding, fostering industry collaborations, and managing large-scale projects. Case studies of successful research projects were presented, demonstrating how impactful engineering research can be when executed effectively. The event concluded with a networking session where participants engaged with speakers and peers, fostering future collaborations. The seminar wasn't just about research strategies – it's about pushing boundaries and creating solutions that build a sustainable future.

-Shraavya Mallaram

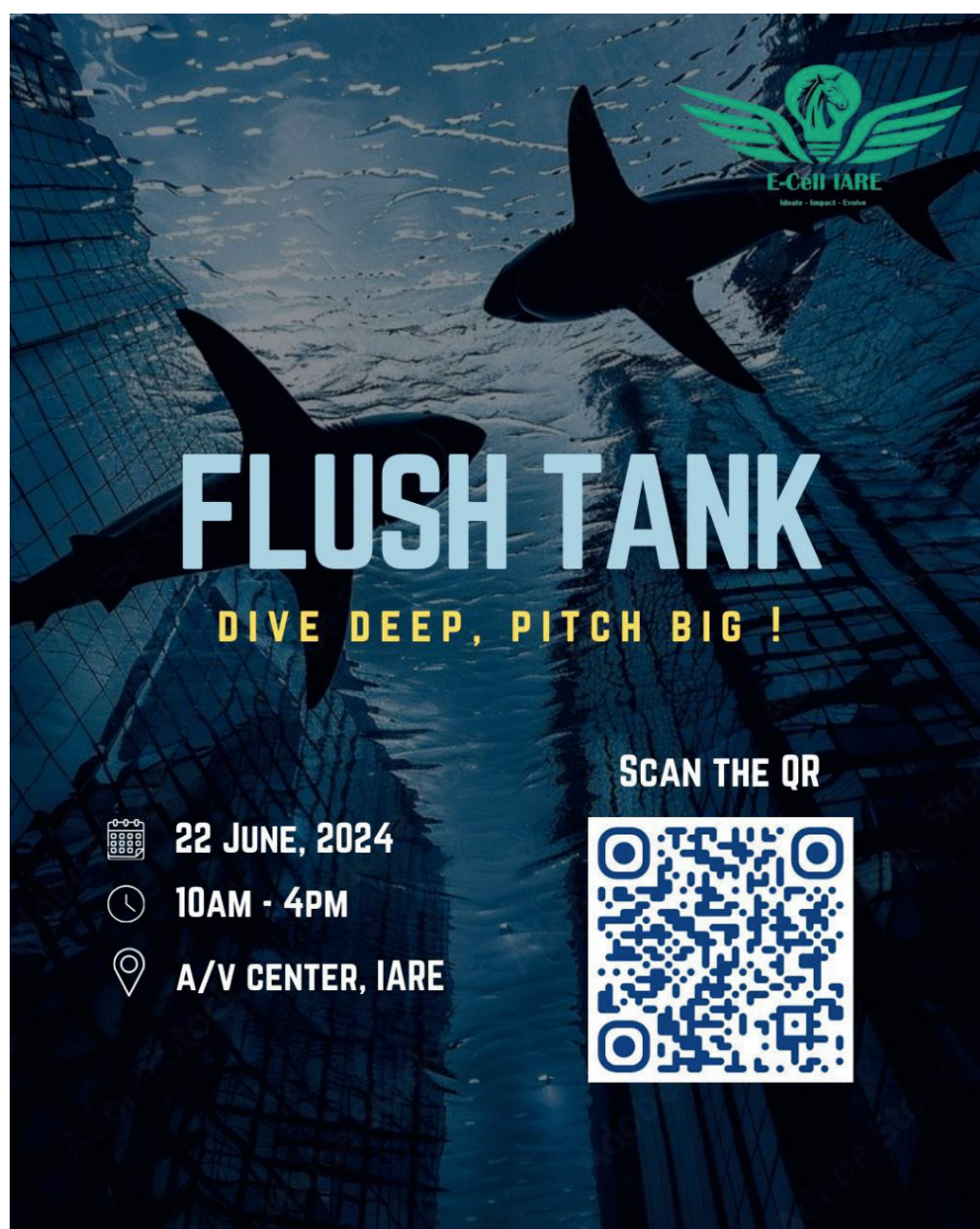
NON- DEPARTMENTAL ACTIVITIES

FLUSH TANK

On June 22, 2024, the Entrepreneurship Cell (E-Cell) of the Institute of Aeronautical Engineering (IARE) organized an exciting and innovative event, "Flush Tank." Inspired by the popular "Shark Tank" format, the event provided students with a platform to pitch their entrepreneurial ideas to a distinguished panel of judges.

Held in the college auditorium, the event began with a warm welcome speech from the E-Cell coordinator, followed by an inspiring introduction on the importance of entrepreneurship and innovation in today's world. Several teams participated, each given a specific time to present their ideas. The pitches covered a wide range of domains, including technology, sustainability, healthcare, and education. A panel of entrepreneurs and faculty members judged the ideas based on creativity, feasibility, market potential, and presentation skills.

The "Flush Tank" event successfully fostered an entrepreneurial spirit, allowing students to showcase their creativity and problem-solving skills. The overwhelming participation and enthusiasm highlighted the growing importance of innovation and entrepreneurship among the next generation of leaders.



STREET CAUSE 2024: A YEAR OF SERVICE, A VISION FOR TOMORROW

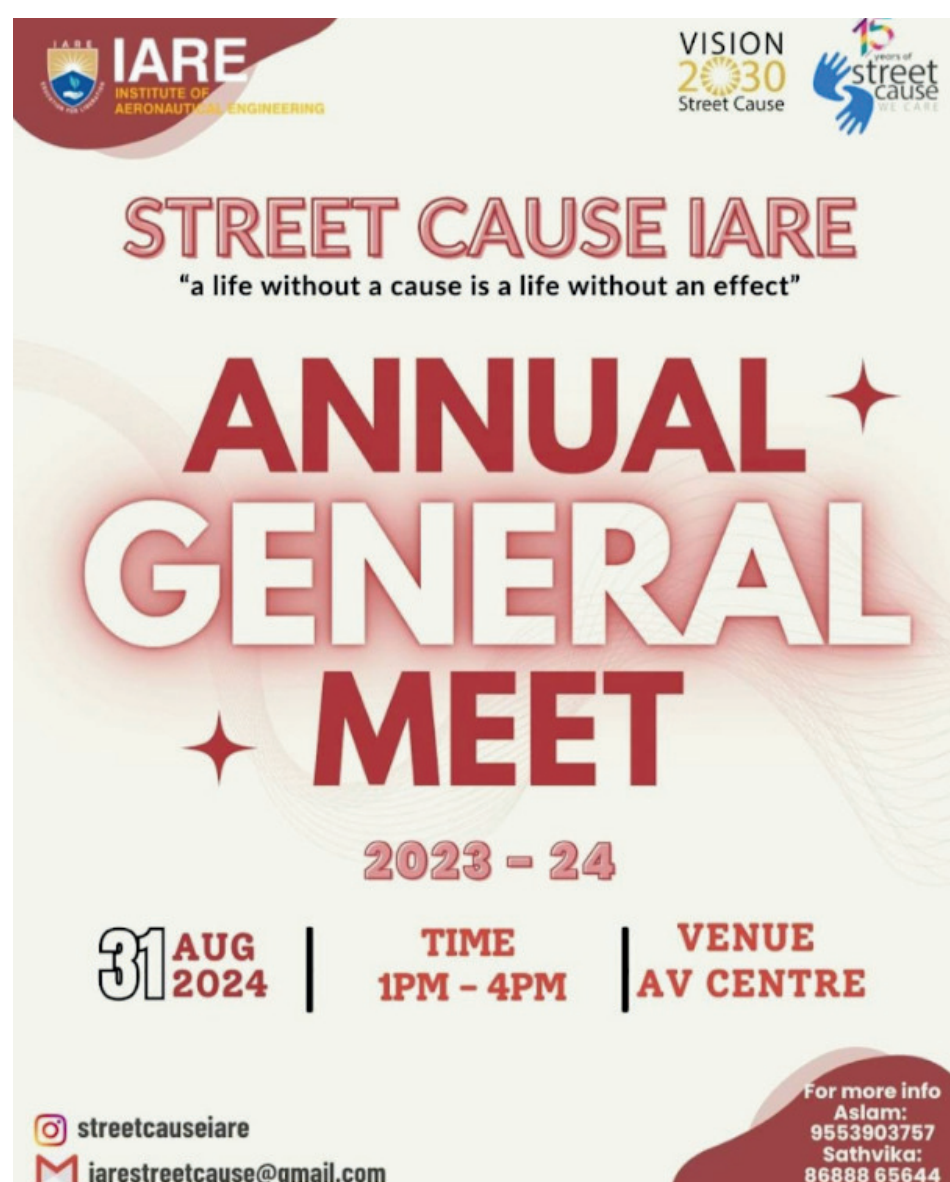
Street Cause held its Annual General Meeting on August 31st, 2024 at IARE. This meeting took place in the A/V Room from 1:00 PM to 4:00 PM, and it brought together members and volunteers to reflect on the past year's initiatives and set the course for the future.

The meeting provided a comprehensive review of the organisation's impact and growth. It included a summary of completed projects and fundraising campaigns, highlighting efforts that benefited villages, old-age homes, orphanages, and schools, with volunteers contributing service. They presented an annual financial report highlighted revenue, expenditures and remaining funds earmarked for upcoming initiatives. As a token of appreciation, certifications and citations were awarded to coordinators and volunteers, with special recognition given to those who played a key role in the RFC event.

Symbolizing a leadership transition and the continued evolution of Street Cause, the next executive board was announced.

Another key point that was discussed was the organization's expansion plan of branching into new cities, launching new projects, fostering leadership and increasing awareness through campaigns.

The event concluded with closing remarks emphasizing the organization's mission and gratitude extended to all those who contributed to its success.



PIXELS - PHONEOGRAPHY MASTERY

On a sunny afternoon at the Institute of Aeronautical Engineering (IARE) in Hyderabad, students came together to learn one thing: how to take amazing photos using just their phones. The Phoneography Mastery Workshop, held on August 24, 2024, by the Pixels team in the A/V Center, showed everyone how to turn everyday moments into special memories.

From 2:00 PM to 4:00 PM, the room was full of excitement. Students of all skill levels—beginners and hobbyists alike—learned simple tricks to make their phone photos stand out. The workshop focused on three key ideas: lighting, framing, and using your phone’s camera tools wisely.

- **What They Learned**

The session started with easy-to-understand tips:

- Framing Your Shots: How to place subjects in the photo using grids and symmetry.
- Using Light: Making the most of natural light to avoid dark or washed-out pictures.
- Editing Basics: Quick fixes using free apps to make photos brighter or more colorful.

- **Practice Makes Perfect**

The best part was the hands-on practice. Students walked around the campus, taking photos of things like trees, buildings, and even their friends. Instructors gave tips like, “Try holding your phone lower” or “Wait for the sun to soften.” Everyone laughed and shared ideas, making learning fun.

- A lively Q&A session followed. Students asked questions like, “How do I take clear photos at night?” or “Why do my selfies look too bright?” The instructors gave simple answers, like adjusting settings or using flash wisely. One student said, “I never knew my phone could do so much!”

- **More Than Just Photos**

The workshop wasn’t just about taking pictures—it was about noticing beauty in simple things. A steaming cup of tea, a friend’s smile, or sunlight through a window became opportunities for great photos. “You don’t need a fancy camera,” said an organizer. “Just your phone and a little creativity.”

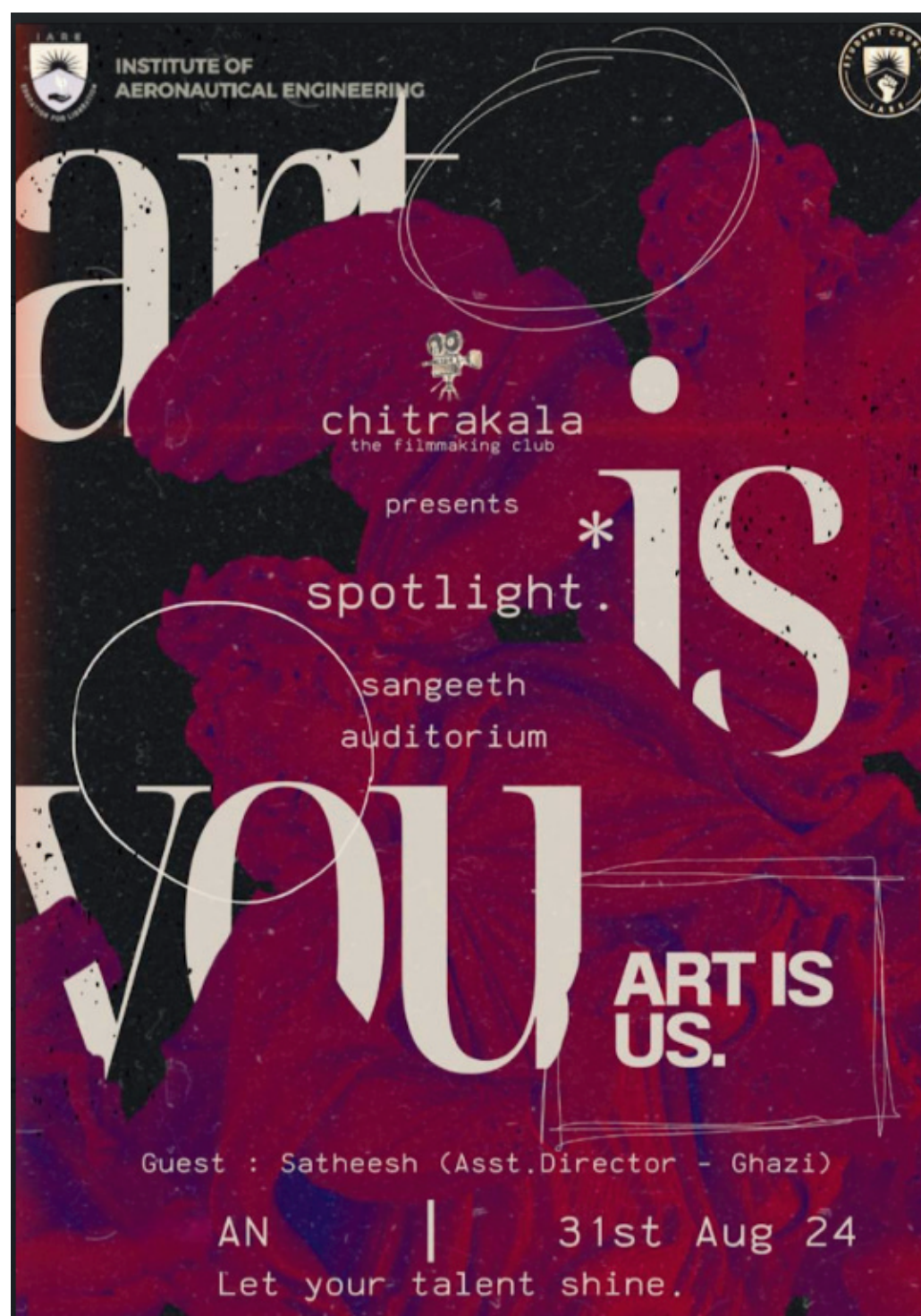
By 4:00 PM, students left with big smiles and new confidence. Many couldn’t wait to try their skills and asked, “When’s the next workshop?”

In just two hours, the Phoneography Mastery Workshop proved that anyone can take stunning photos—no expensive gear needed, just a phone and a willingness to learn.

SPOTLIGHT - CHITRAKALA

The event 'Spotlight', was held on August 31st, 2024 at IARE. It was organized by Chitrakala at the Auditorium from 11:00 AM to 4:00 PM. This inaugural event was dedicated to welcoming and inducting new club crew members. The Chitrakala team expressed their enthusiasm for hosting many more events in the future, marking the beginning of an exciting journey for the club. The event served as a platform to introduce their vision and engage students in creative pursuits.

Additionally, a new short film series (initiated by the college faculty) is currently in the editing phase. Within the next two months, the short film will be released on YouTube. If the series resonates well with students and gains popularity, the team plans to expand it into a web series and explore more creative projects. The event concluded with heartfelt gratitude to all team members for their unwavering support and commitment, setting the stage for an inspiring future.



STUDENT ARTS



BY K Vidhula Reddy
IT, 22951a12b4



BY Achanta Rishita
CSE, 3rd year



BY A Geethika Varma



BY P. Chenchu Bhanu Prakash

ARCADE

SUDOKU

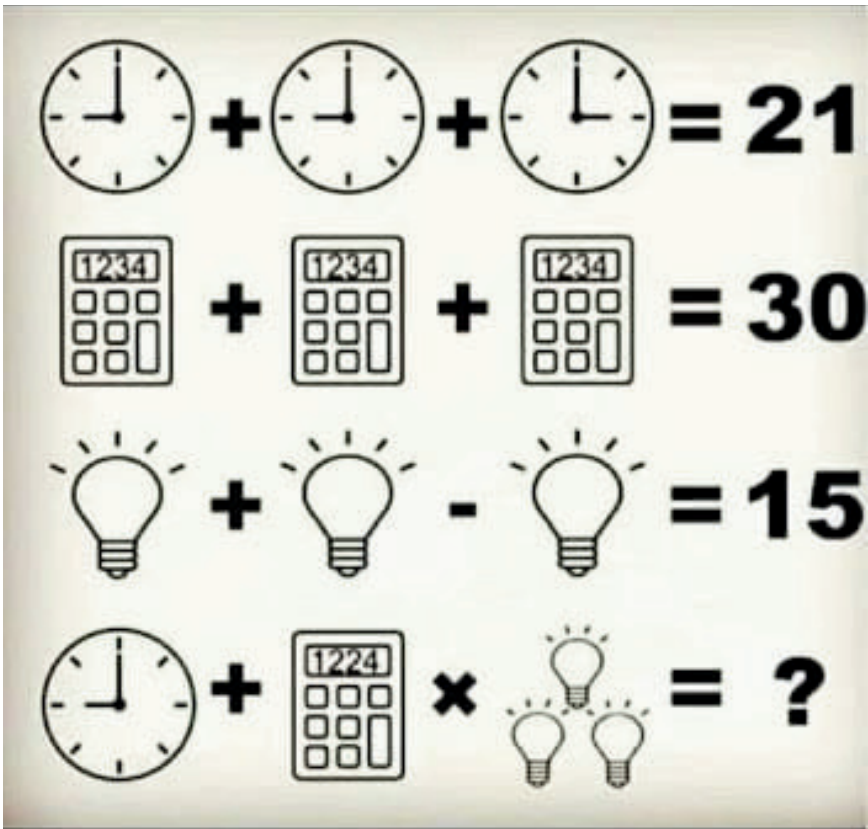
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WORD MAZE

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- phosphorus
chromium
lithium
silver
- technetium
hydrogen
uranium
Sodium
- Magnesium
nitrogen
helium
neon

PUZZLE



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