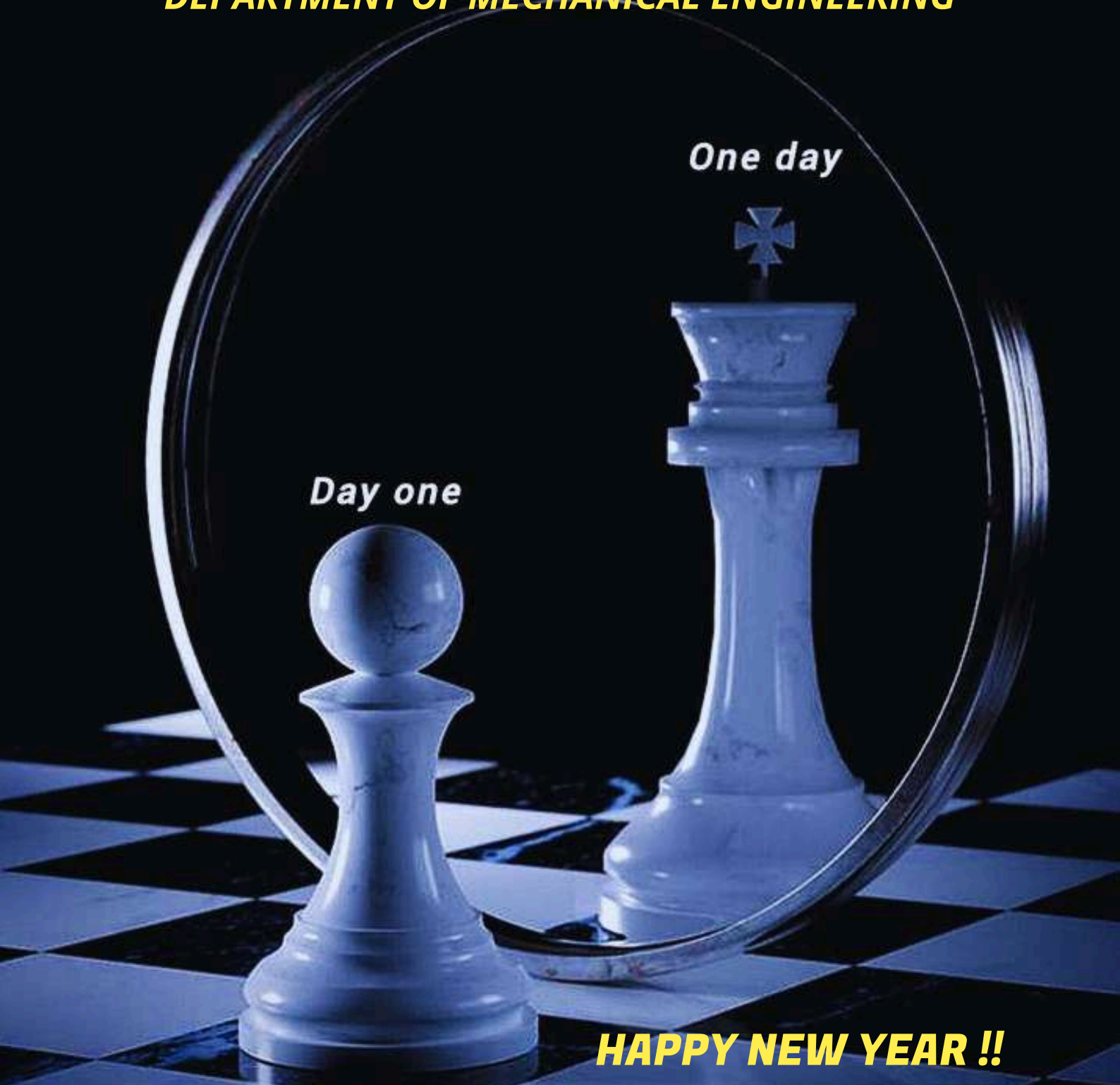
ISSUE 01 | VOLUME 15 | JANUARY 2025

ASPIRE

ACHIEVEMENTS IN SPORTS,PROJECTS,INDUSTRY,RESEARCH AND EDUCATION

DEPARTMENT OF MECHANICAL ENGINEERING



HAPPY NEW YEAR !!

SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING
RAJIV GANDHI SALAI(OMR), KALAVAKKAM, CHENNAI, TAMIL NADU, INDIA.

From the HoD’s desk.....

Dr. K S Vijay Sekar
Professor and Head,
Department of Mechanical Engineering

We are elated to bring you the New year edition of Aspire!!

We profile Han Kang who was awarded the Nobel prize in Literature for her pioneering work in documenting trauma, resilience and endurance of the human self.

It’s a matter of pride to note that HCL has been awarded as one of the country’s best brands at the ET conclave and the HCL foundation has restored more than 70k acres of greenery.

Our faculty have presented papers in an international conference and have enthusiastically participated in FDP’s. Our students continue their good performance in placements with offers from Azentio, Worley, Wisework, Teceze. Students share their experiences in interning with Wittur elevators, ONGC etc.

An alumni pursuing MS in TU Berlin shares his success story while another alumnus narrates his experience as a piping engineer in Dow chemicals.

Tribute, the annual alumni meet is scheduled on Saturday, Jan 4th and we are hoping to see the mechanical alumni in their full bloom in attendance on the day.
Best wishes and Happy New Year,
KSV
vijaysekarks@ssn.edu.in

Han Kang: Renowned Author and Nobel Prize Winner in Literature

Han Kang, born on November 27, 1970, in Gwangju, South Korea, is a celebrated writer whose works delve into themes of trauma, resilience, identity, and the complexities of the human experience. Awarded the Nobel Prize in Literature, her evocative narratives combine poetic beauty with profound insights, making her a transformative voice in modern literature. Han's storytelling has garnered worldwide acclaim, reflecting universal truths through a distinctly Korean lens.

Han's literary journey began with poetry before she transitioned to fiction. Growing up in a family steeped in the arts, her passion for writing was cultivated early on. She studied Korean literature at Yonsei University in Seoul, which laid the foundation for her literary pursuits. Her debut novel, The Black Deer (1993), marked the beginning of her exploration into the darker aspects of the human psyche, a theme that would define her future works.

Her most iconic novel, The Vegetarian (2007), catapulted her to global fame. The story of a woman's decision to reject societal norms by becoming a vegetarian serves as a metaphorical examination of autonomy, rebellion, and the human capacity for violence. Its English translation by Deborah Smith won the Man Booker International Prize in 2016, earning Han international recognition. Human Acts (2014) and The White Book (2016) further showcased her talent, with the former reflecting on the Gwangju Uprising and collective trauma and offering a poetic meditation on grief, memory, and the color white.

Han Kang's work is characterized by its exploration of marginalized voices and silenced stories. She writes with deep empathy, examining the fragility and resilience of human life. Her narratives encourage readers to confront uncomfortable truths about humanity, blending historical events with intimate emotional experiences. Her unique ability to merge lyrical prose with complex themes has redefined contemporary literature, inspiring readers and writers alike.

Beyond her literary achievements, Han has played a crucial role in elevating Korean literature on the global stage. Her accolades include the Yi Sang Literary Award and the Manhae Literary Prize, among others. As a writer who seamlessly bridges cultural and emotional divides, Han Kang continues to leave a legacy, her works serving as a testament to the enduring power of literature to heal, challenge, and connect.

WELCOMING OUR NEW LEADERS AT SSN: A NEW CHAPTER BEGINS

We are excited to announce the appointment of two distinguished leaders who will guide SSN College of Engineering into a new era of growth and excellence.Dr. S. Radha has taken over as the new Principal of SSN. With an extensive background in academic leadership and research, Dr. Radha brings a visionary approach aimed at fostering innovation, strengthening our academic environment, and nurturing student success.Additionally, Dr. V.E. Annamalai has been appointed as the Vice President, Higher Education at SSN/SNU. With vast experience in higher education leadership, Dr. Annamalai's strategic vision will play a crucial role in enhancing SSN/SNU reputation and shaping future initiatives.We warmly welcome Dr. S. Radha and Dr. V.E. Annamalai to the SSN family and look forward to their leadership as we continue our journey toward excellence and new milestones.

PRINCIPAL
SSN COLLEGE OF ENGINEERING

DR.S.RADHA
B.E., M.E., Ph.D.

VICEPRESIDENT
HIGHER EDUCATION AT SSN/SNU

DR. V.E. ANNAMALAI
M.E., Ph.D.

HCL GROUP WAS NAMED ONE OF THE INDIA’s BEST BRANDS 2024

HCL Group is proud to announce its recognition as one of India's Best Brands 2024 at the esteemed ET Now Best Brand Conclave. This prestigious accolade reflects the company’s unwavering commitment to innovation, excellence, and delivering exceptional customer value. HCL's consistent growth and transformation have solidified its position as a leader in the global technology sector. The recognition at such a distinguished event highlights the company’s strong brand presence and its ability to adapt and thrive in a competitive market. HCL Group continues to inspire trust and drive success across industries, shaping the future of technology.

RESTORING NATURE:HCL FOUNDATIONS COMMITMENT TO A GREEN FUTURE

The HCL Foundation has made significant strides in environmental restoration this year, successfully restoring over 72,000 acres of greenery. Through large-scale afforestation drives, habitat restoration projects, and strong community partnerships, the foundation is revitalizing lands that play a crucial role in sustaining ecosystems and local communities. These efforts not only enhance biodiversity but also contribute to combating climate change by improving carbon sequestration. By planting trees, restoring habitats, and fostering sustainable practices, the HCL Foundation is sowing the seeds of long-term environmental balance. As we move forward, it's essential to continue these efforts to restore nature's equilibrium, ensuring a healthier, greener planet for future generations. Together, we can nurture the lungs of the Earth, one acre at a time.

TRIBUTE 25 – SSN ANNUAL ALUMNI MEET

Feel the eSSNce with Non-Stop Nostalgia and fun at our annual alumni meet - Tribute'25 scheduled on Jan 4th, Saturday.

Relive those golden days with your friends along with the networking of our fellow alumni accompanied by a standup comedy performance with gala dinner and lots more.

"Happy New Year from all of us—Wishing You Joy & Success Ahead!"

Teaching Faculty:





























Technical Staff







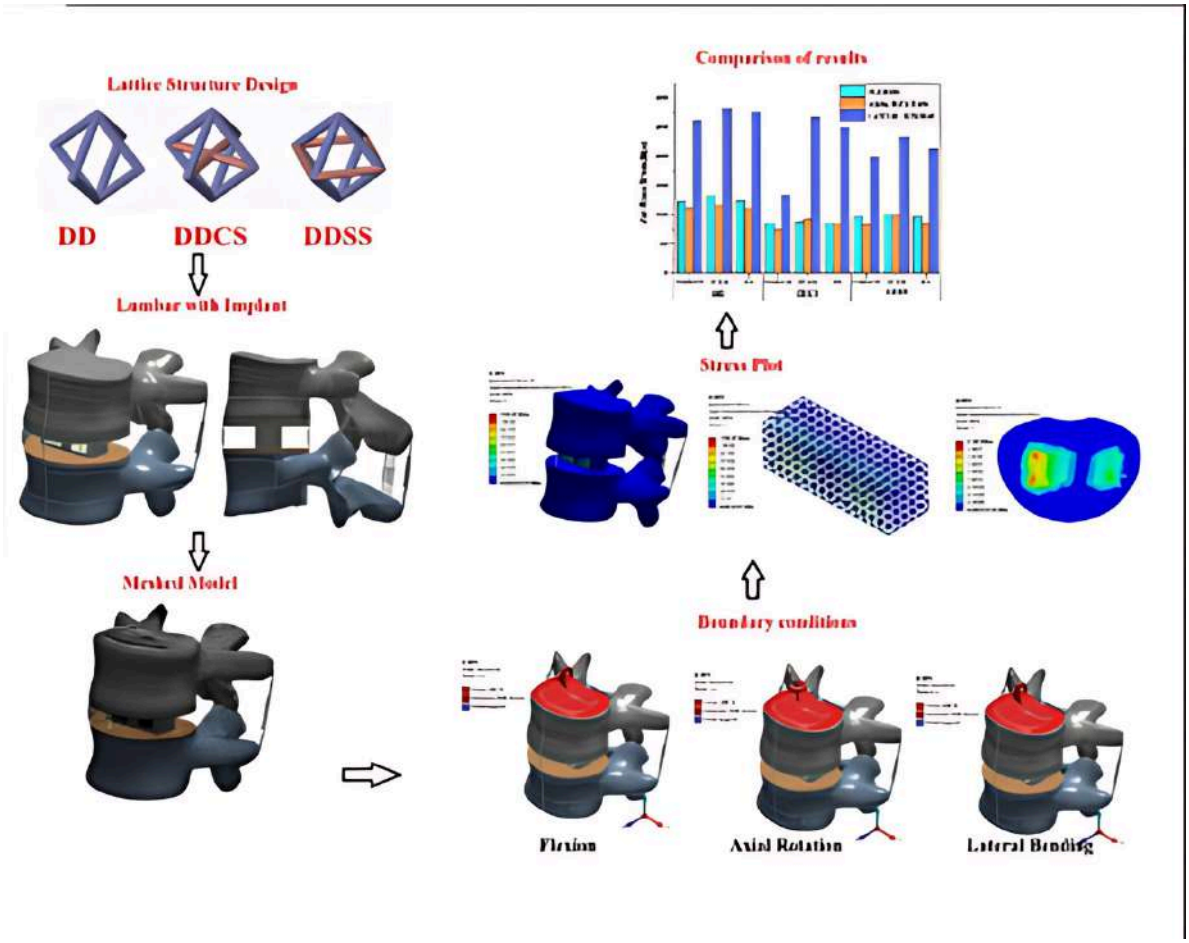


Office staff



International Journal Publication - SCI /Clarivate Indexed

D. Athikesavan, **M.S. Alphin** , S. Meganathan. “Finite Element Analysis of Double Diamond Lattice Structured Lumbar Interbody Fusion Cage with Different Biomaterials”. Acta of Bioengineering and Biomechanics. .Clarivate Impact Factor: 1.083.



DEPARTMENT OF MECHANICAL ENGINEERING
CLASS OF 2025

PLACEMENT UPDATE

Worley
energy | chemicals | resources

ANJUGA PRIYA

ASHWIN VARADHARAJAN

SATISH NARAYAN SINGH

ADITHYA SHRI HARI R

DEPARTMENT OF MECHANICAL ENGINEERING
CLASS OF 2025

PLACEMENT UPDATE

VETRIVEL S

Wise Work

SACHIN CHINNASAMI

RAHUL P

TECEZE
Digital Innovation & Excellence

HARESH MADHAVAN B

AZENTIO™

SWARUN V

DR SANTOSH S ATTENDED THE INTERNATIONAL CONFERENCE - PAMFP 2024

Dr. Santosh S participated as a delegate and presented an oral talk titled "Mechanical Response of Hybrid Glass/Kevlar Epoxy Polymer Composite Reinforced with Multi-Walled Carbon Nanotubes: An Experimental Study" at PAMFP 2024, conducted by IIT Hyderabad.

FDP ATTENDED

02/12/2024 to 07/12/2024	Dr. S A SRINIVASAN, Assistant Professor of Sri Sivasubramaniya Nadar College of Engineering, Chennai has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on WASTE TO WEALTH INNOVATION at the NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH, KOLKATA
09/12/2024 to 14/12/2024	Dr. Prakash R, Associate Professor of Sri Sivasubramaniya Nadar College of Engineering has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on AI in Hydrogen and Electric Powered Vehicles at B S Abdur Rahman Crescent Institute of Science and Technology

16/12/2024 to 21/12/2024	Dr. Santosh S, a faculty member at Sri Sivasubramaniya Nadar College of Engineering, successfully participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Cryogenic Treatment on Materials, Processes & Equipment" from 16th December 2024 to 21st December 2024

INTERNATIONAL JOURNAL PUBLICATION

25/12/2024	D. Athikesavan, M.S. Alphin , S. Meganathan published a paper titled “Finite Element Analysis of Double Diamond Lattice Structured Lumbar Interbody Fusion Cage with Different Biomaterials” in the journal “Acta of Bioengineering and Biomechanics”.

SCHOLAR INFO

10/12/2024	Dr. B. Anand Ronald, conducted the Pre-Synopsis Seminar titled "Investigation on the Slurry Erosion Behaviour of Duplex Stainless Steel Weldments" and Synopsis Doctoral Committee meeting for his Full Time Research Scholar Annamalai.S
16/12/2024	Dr. S. Rajkumar, ASP/Mech conducted a DC meeting to review the thesis evaluation report of his part time research scholar Mr. G. Venkatesh on 12.12.2024
19/12/2024	Dr. S. Rajkumar, ASP/Mech conducted the DC Meeting for Research Performance Assessment of his part time research scholar, Mr. C. Parthasarathy on 29.11.2024.

NON-TEACHING STAFF ACTIVITIES

02/12/2024	Mr. Balasundaram P / Asst lab Instructor / Mechanical / Completed online Alison course of Arduino Boards fusion 360 Guide to 3D Printed Enclosure .
11/12/2024	Mr. Balasundaram P / Asst lab Instructor / Mechanical / Attended one day Webinar: Multi-Scale Material Modelling Atomistic – Nano – Meso – Micro – Macro Scale Integrated Simulation .

ABHINAV FROM THIRD YEAR WRITES...

am Abhinav, a third-year Mechanical Engineering student at SSN College of Engineering, currently undertaking a 15-day internship at Wittur Elevator Components India Pvt. Ltd. Established in 2010, Wittur India is a subsidiary of the Wittur Group, a leading global supplier of elevator components. Located in Pondur Village, Sriperumbudur, Tamil Nadu, the facility specializes in manufacturing essential elevator components, including:

- Elevator Doors: Landing and car doors for various applications.
- Safety Devices: Such as safety gears and overspeed governors.
- Lift Machines: Gearless drives for elevators.
- Cars and Car Frames: For passenger and goods transportation.
- Shaft Accessories: Components for shaft installations.
- Wittur India's establishment was driven by the rapid growth of the Indian elevator market, now the second largest globally. This expansion is fueled by urbanization and the increasing demand for vertical transportation solutions. My internship has been a valuable learning experience, offering insights into the elevator industry and its crucial components.

ANURAAG FROM THIRD YEAR WRITES...

I am Anuraag, a third-year Mechanical Engineering student, and I recently had the incredible opportunity to undertake an internship at the ONGC Neravy Complex in Karaikal, which is part of the Cauvery Asset. During my internship, I gained hands-on experience and valuable insights into the operations of one of India's leading oil and gas companies. The Neravy Complex is an essential part of ONGC's operations, contributing significantly to the extraction and processing of hydrocarbons in the Cauvery Basin. Throughout my time here, I was able to learn about the various mechanical systems involved in oil and gas production, maintenance, and safety protocols. This internship has greatly enhanced my understanding of the industry and has been a fantastic learning experience, helping me apply theoretical knowledge to real-world challenges.

KEVIN THOMAS J OF MECH'22 SHARES...

Kevin Thomas J (Mech22) pursuing master's at TU Berlin

I am thrilled to announce that I have officially started my Master's program in Process Energy and Environmental Systems Engineering (PEESE) at TU Berlin this Fall 2024!

I am fortunate and honored to have been admitted into other prestigious universities, but I chose TU Berlin for its outstanding program and vibrant academic community.

With a background in Mechanical Engineering and valuable experience at Mitsogo Technologies, I am eager to delve deeper into the field of energy and environmental systems engineering. A heartfelt thanks to my mentors and colleagues at Mitsogo for their invaluable guidance and support during my career so far.

I extend my deepest gratitude to my project guide, Santosh Sampath, for his invaluable mentorship and for providing me with opportunities to work on Shape Memory Alloys (SMA) at SSN College of Engineering. I am also thankful to Dr. S. Rajkumar and Dr. G. Selvakumar for their invaluable recommendations and unwavering support.

I am passionate about excelling in the field of energy and look forward to contributing to sustainable solutions. Finally, I would like to extend my sincerest gratitude to my family, mentors, and friends, without whose unwavering support this would not have been possible.

Looking forward to connecting with fellow students, professionals, and experts in the field. Let's work together towards a sustainable future!

VARUN DEEPAK (MECH 2024) SHARES...

Life after graduating from SSN has been an exciting journey filled with learning, growth, and new challenges. Just six months ago, I stepped out of the classroom and into the professional world as a piping engineer at Dow Chemicals, one of the leading petrochemical companies in the world. The transition has been nothing short of transformative, offering me a glimpse into the vast opportunities and responsibilities that lie ahead.

As a piping engineer, I design and optimize piping systems for petrochemical plants, requiring a strong grasp of technical principles, attention to detail, and problem-solving skills. My work involves analyzing layouts, ensuring safety, and adhering to industry standards. One of the most rewarding aspects is collaborating on large-scale projects, working with experienced professionals, and seeing design concepts come to life in real-world applications, contributing to plant efficiency and safety.

The shift from college life to the professional world has been an adjustment, but one that I feel well-prepared for thanks to my time at SSN. The rigorous coursework, practical projects, and mentorship from my professors provided me with a strong foundation. Whether it was mastering engineering concepts or learning to manage time effectively, every lesson has proved invaluable in the workplace.

Beyond technical skills, college life also taught me the importance of resilience and adaptability. The professional world moves quickly, and every day brings something new—a challenge to solve, a concept to learn, or a deadline to meet. These experiences have pushed me to grow not just as an engineer, but also as an individual.

Looking back, I realize how much my college journey has influenced who I am today. From the friendships forged during late-night study sessions to the confidence built through presenting projects, every moment contributed to shaping my professional identity. I am deeply grateful to SSN for providing a nurturing environment where I could develop the skills and mindset needed to succeed.

No Competition, No Progress

Crafting Your Brand: The Power of Content Creation
Indian Institute of Technology (IIT), Kanpur

Link: *Register here*

Article and Research Competition
Aryabhatta College (AC), Delhi University (DU), Delhi

Link: *Register_Here*

ATLAS PwC NextGen Leaders Case Competition
ATLAS SkillTech University

Link: *Register_Here*

From the desk of Ramki – Aspire to Inspire

From Ramki
Happy Morning – Aspire to Inspire

Freedom in Relationships

The openness in relationships is extremely important for sustaining and building the relationships. What are relationships for, if you can't even tell a person he or she is wrong when you feel he or she is wrong? There can be no depth in a relationship where is a compulsive need to please the other all the time and every time.. Such relationships will only be too superficial and shallow. You don't derive fulfilment out of these relationships. The depth of a relationship is revealed by the freedom and openness that is possible in communication in that relationship. Open communication helps you to either clarify or get clarified.

Metaphorically, relationships are like bank accounts- emotional accounts. You can withdraw from the relationship only to the extent you have deposited in the relationship. If I have done enough in the relationship, then I can take enough from the relationship. Some accounts are over-deposited. In such relationships, even a major issue is handled as a trifle. Some accounts are overdrawn. In those relationships, even trifle issues are major. We need to go into relationship with a mind and intention of what we can give and not what we can receive. This will give a great freedom in relationships.

The question is how we can start depositing

- Understanding the Individual
- Keeping commitments & promises
- Clarifying expectations
- Attending to little things
- Showing personal integrity
- Apologizing when we make a withdrawal

To build relationship start depositing and it starts from you.

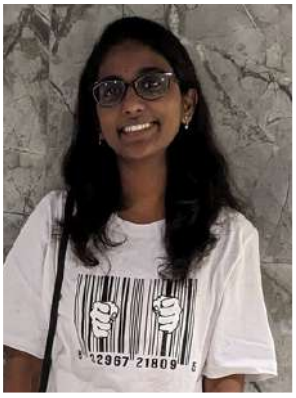
#WishingMostAndMore

Editorial Team

Dr. M S Alphin

Dr. Satheesh Kumar G

Magari Ramasamy



Abirami Subbaih

Aravindhan R

Nithish Kumar S

Dhivya Dharshini R

Mithun Kumar

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