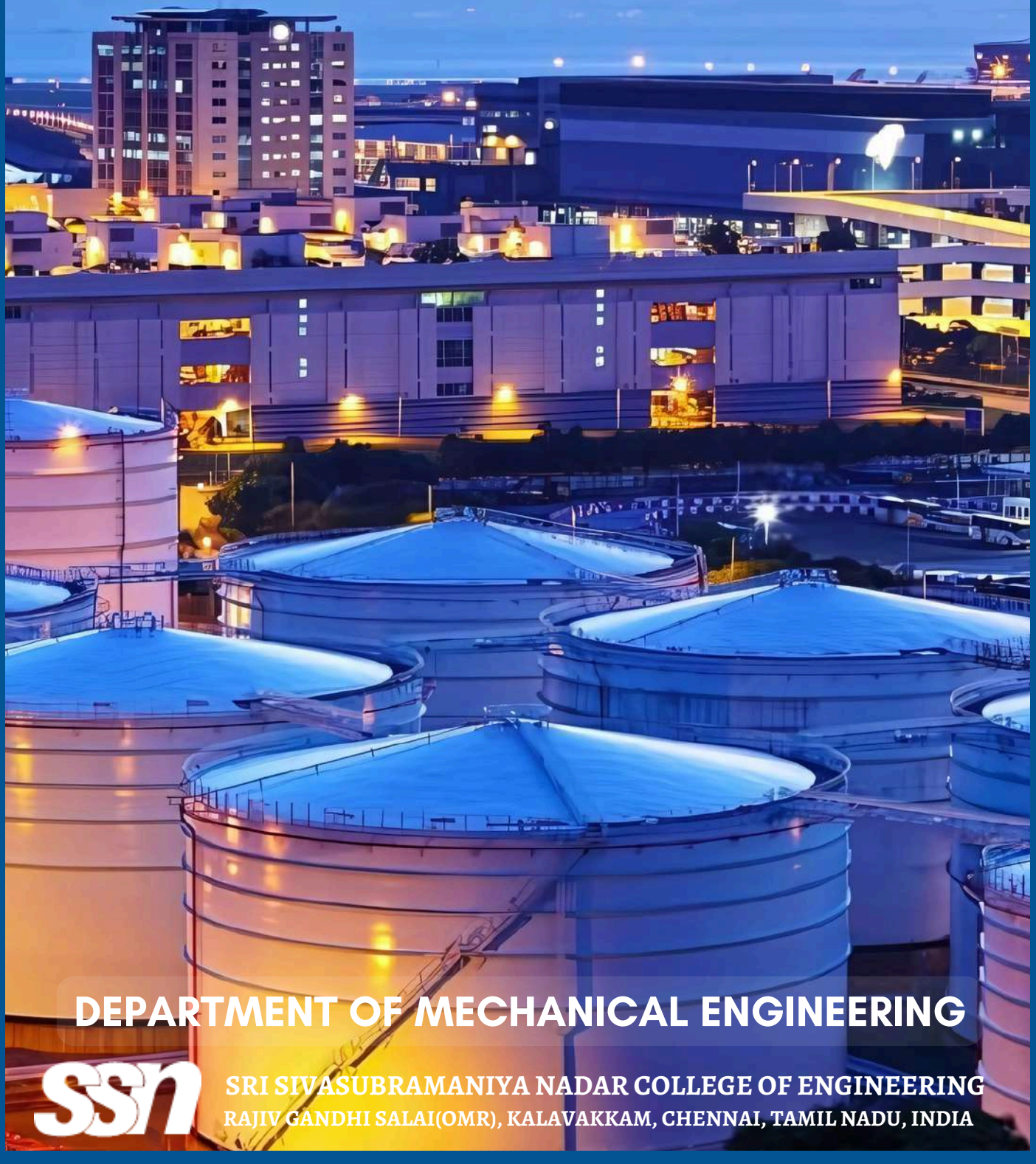
ISSUE 11 | VOLUME 14 | NOVEMBER 2024

ASPIRE

ACHIEVEMENTS IN SPORTS,PROJECTS,INDUSTRY,RESEARCH AND EDUCATION



DEPARTMENT OF MECHANICAL ENGINEERING

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 happy to share the November edition of Aspire!!

We profile Linda Buck who was awarded the Nobel prize in medicine in 2004 for her pathbreaking work on how the brain processes olfactory functions.

It's a great pride for us to note that Mrs Roshni Nadar Malhotra has been chosen as the only Indian businessperson in Fortune's 100 Most Influential Women globally. SSN celebrated its annual Innovation Day with enthusiasm and joy with our students and faculty showcasing their innovative ideas to the industry. Mechanical team won the second prize in the general category and also the people's choice award.

It was a moment of reckoning for us to sign an MOU with NTU Taiwan to forge research collaborations that are mutually rewarding to students and faculty on both sides. Mech faculty continue to publish in good journals while students keep the placement momentum up with jobs in Kobelco, JGC and Zepto.

It was a fulfilling month for the department with a plethora of events such as Faculty participation in CII automotive event, Industrial visit by final year students to TAMCOE and TANCAM, Guest lectures delivered to other departments.

Mech student teams taste success in Bike design competition as well as fluid power challenge competition winning top prizes. Alumni share their experiences joining Global universities such as Texas A&M and University of Michigan.
Best Wishes for a celebratory November,
KSV
vijaysekarks@ssn.edu.in

Linda B. Buck: Transformative Biologist and Researcher

Linda B. Buck, born in 1947 in Seattle, Washington, is a distinguished biologist and Nobel laureate whose groundbreaking research in olfactory science has transformed our understanding of how the brain processes smells. She was awarded the Nobel Prize in Physiology or Medicine in 2004, alongside Richard Axel, for their pioneering work on the olfactory system, which revealed the molecular basis of odor recognition and processing. Buck's contributions have had profound implications for neuroscience, genetics, and sensory biology, establishing her as one of the foremost scientists in her field.

She earned her undergraduate degree in microbiology and psychology from the University of Washington, later pursuing a PhD in immunology at the University of Texas Southwestern Medical Center. Her career took a defining turn when she joined Richard Axel's laboratory at Columbia University, where she began her transformative research into how the olfactory system decodes the vast array of scents humans and animals perceive.

In their seminal 1991 paper, Buck and Axel identified a family of approximately 1,000 genes in mice that code for olfactory receptors, each sensitive to different odor molecules. This discovery demonstrated that each receptor is specialized, binding only certain odorants and that individual olfactory neurons express just one receptor type. This work revealed a "combinatorial code" by which the brain identifies specific scents through unique receptor activation patterns. The research explained how humans can distinguish between thousands of different odors and laid the foundation for exploring how these signals are organized in the brain. Buck's research has gone beyond identifying olfactory receptors; she has also explored how the brain interprets information about odors and connects them to memories and emotions. Her work uncovered insights into the neural circuits involved in olfactory perception, illuminating how odors influence behaviours and emotional responses. This research has deepened the scientific understanding of the connections between sensory experiences and the brain's emotional and memory centers, particularly the amygdala and hippocampus.

Buck's distinguished career has been recognized with numerous awards and honours, including membership in the National Academy of Sciences and the American Academy of Arts and Sciences. Her pioneering research has forever changed our understanding of the olfactory system, leaving a legacy in neuroscience and sensory biology.

Innovation day showcases CREATIVITY At our college

Our college celebrated Innovation Day on 9th November, bringing together students from various departments to present their ideas and projects. The event served as a vibrant platform for showcasing innovative solutions across diverse fields, encouraging creativity and collaboration among participants.
Students displayed projects ranging from technical innovations to sustainable solutions, reflecting their problem-solving abilities and out-of-the-box thinking. The event fostered healthy competition, with teams explaining their ideas to peers, faculty, and industry experts.

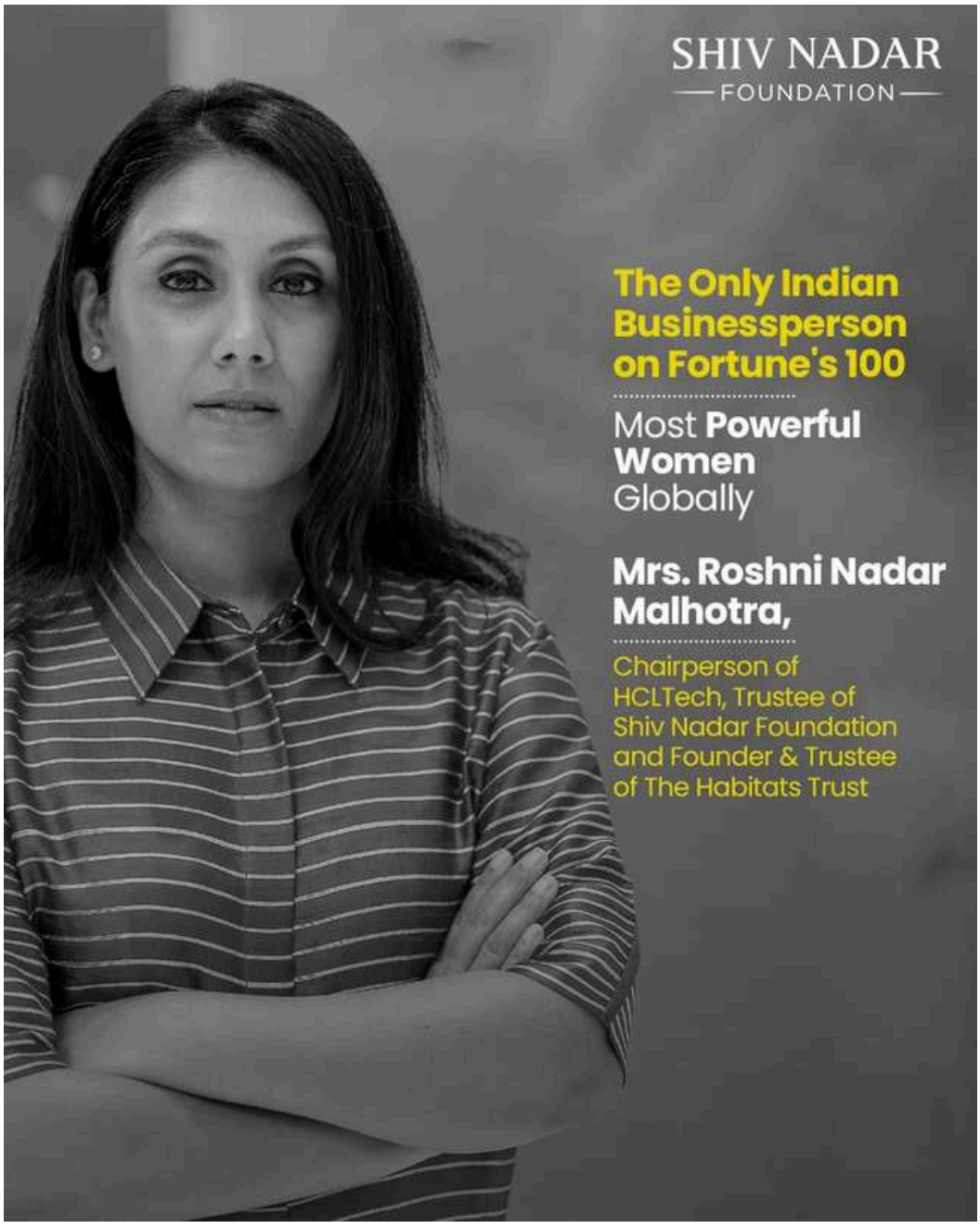
Innovation Day highlighted our college's talent and inspired students to explore new possibilities and embrace innovation for future challenges.

Daksha 24:A Blend Of Fun & Learning at SSN School of Management

The SSN School of Management hosted DAKSHA 24, a vibrant event filled with a mix of technical and fun-filled activities designed for MBA students. The event brought together participants from various colleges, creating an atmosphere of excitement and healthy competition.

In addition to technical events, engaging games and challenges kept the energy high throughout the day. The lively atmosphere was further enhanced by a variety of food stalls, offering a range of delicious treats.
DAKSHA 24 provided students with a perfect blend of learning, networking, and entertainment, making it a memorable experience for everyone involved.

Roshni Nadar Malhotra: The Only Indian Businessperson on Fortune's 100 Most Powerful Women Globally



International Journal Publication - SCI /Clarivate Indexed

M. Dhananchezian. ”Machinability evaluation of inconel 600 by cryoprocessed carbide inserts." Materials and Manufacturing Processes. 39 (14), pp. 2048-2057.Clarivate Impact Factor: 4.1

Figure 1. Photographic view of the turning setup.

International Journal Publication - SCI /Clarivate Indexed

M. Sunil Kumar, S. A. Srinivasan, M. S. Alphin, B. Mustafa, Senthil. ”Progresses in the NOX Elimination Using Zeolite Under Low-Temperature Ammonia-Based Selective Catalytic Reduction—A Review." Advances in Materials Science and Engineering. vol. 2024, Article ID 1827332, 16 pages, 2024.

Clarivate Impact Factor: 2.68

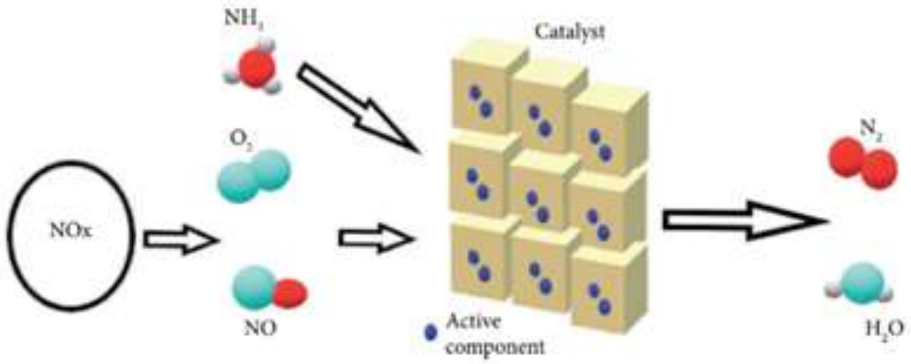


Figure 1: NH_3-SCR mechanism.

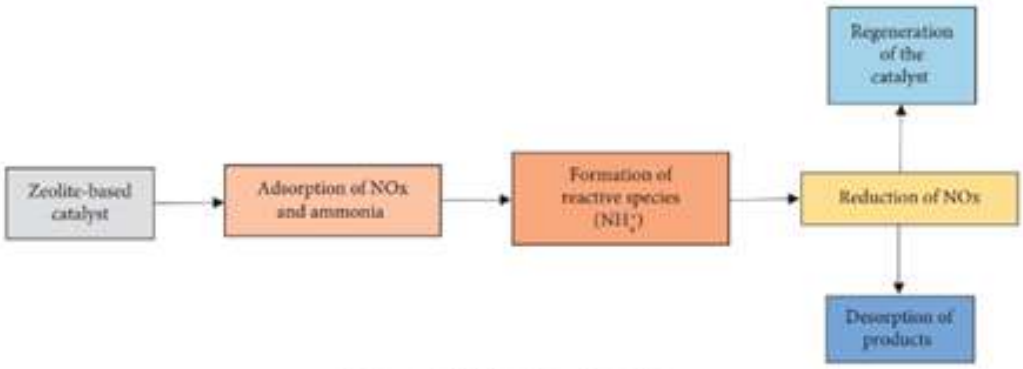


Figure 2: Mechanism of zeolite.

International Journal Publication - SCI /Clarivate Indexed

Chiranjib Bhowmik, Divya Zindani, Prasenjit Chatterjee, Dragan Marinkovic, Jūratė Šliogerienė . ”EVALUATION OF GREEN ENERGY SOURCES: AN EXTENDED FUZZY-TODIM APPROACH BASED ON SCHWEIZER-SKLAR AND POWER AVERAGING OPERATORS .” FACTA UNIVERSITATIS
Clarivate Impact Factor: 10.1.

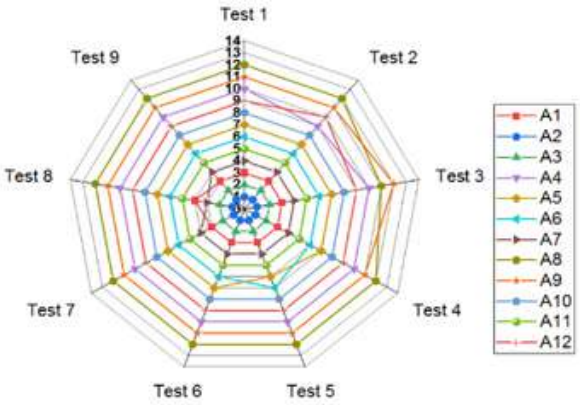


Fig. 2 Variation of criteria weight by 20%

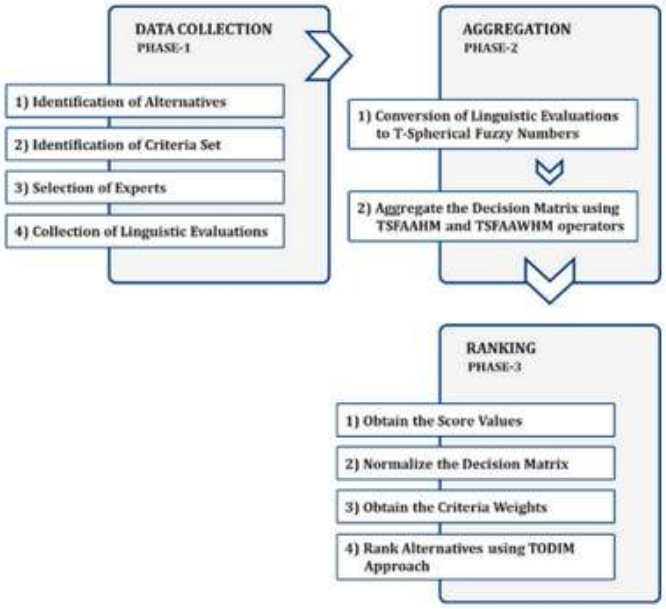


Fig. 1. The procedural steps involved in the proposed frameworks.

Brajesh Dhiman, Divya Zindani, E Akileshwaran, Gurdeep Singh, Debkumar Chakarabarti, Mrinal Krishna Chaudhury. ”Decision-Making Frameworks for Assessment of Small-Scale Off-Grid Photovoltaic Home System-Based Design Concepts in Rural Context of North-east India." Journal of Cleaner Production. On line first articleClarivate Impact Factor: 9.7.

DEPARTMENT OF MECHANICAL ENGINEERING
CLASS OF 2025

PLACEMENT UPDATE

KOBELCO

NITHISH SARAN V

RAMJI G

TUREYA H

SAI VARUN V

DEPARTMENT OF MECHANICAL ENGINEERING
CLASS OF 2025

PLACEMENT UPDATE

JGC

MONESH KUMAR V A

NAREN K

zepto

ABINESH K

JAGANATHAN S

MOU SIGNED BETWEEN ATW SOLID STATE HYDROGEN RESEARCH CENTER AND SSNCE FOR MUTUAL COLLABRATION

On November 22, 2024, our department advanced its global academic and research outreach by signing an MOU with the ATW Solid State Hydrogen Energy Research Center at NTUST Taiwan. The signing ceremony, held at our institution, was honored by Prof. Song Jeng Huang and his project manager, Dr. Sathiyalingam Kannaiyam, from NTUST.

This MOU establishes a collaborative partnership to pursue joint research initiatives, faculty and student exchanges, and innovative project development, including shared IP creation. Our principal, Dr. V.E. Annamalai, welcomed the NTUST delegation, and Prof. Song Jeng expressed optimism for the partnership, highlighting shared goals. He also showed interest in offering intern training in his labs for our UG and PG students. The event included an exchange of mementoes, symbolizing the start of a promising journey.

After the MOU signing, the NTUST delegation toured our facilities, observing ongoing research efforts key to this collaboration, and later participated in an interactive session with our Mechanical Engineering faculty.

“This MOU demonstrates our commitment to building international collaborations and advancing research and innovation. We are thrilled to work with NTUST Taiwan and explore new opportunities together.” This partnership is poised to drive transformative advancements in academic and research pursuits.

CONFEDERATION OF INDIAN INDUSTRY(CII) AUTOMOTIVE INNOVATIVE SUMMIT- ATTENDED BY DR S SURESH KUMAR AND DR K S VIJAY SEKAR

Dr. K.S. Vijay Sekar and Dr. S. Suresh Kumar attended the CII Automotive Innovation Summit, at Hotel Taj Wellington Mews, Taramani, Chennaion 25th October 2024. The innovation submit was inaugurated by Mr Debashis Neogi, Summit Chairman & Managing Director of Renault Nissan Technology & Business Centre India. Special addresses were given by the following industry experts. Mr Unnikrishnan AR, Vice Chairman, CII Tamil Nadu & Managing Director, Glass & Glass Solutions Saint-Gobain India Private Limited

1. Mr Jegapriyan Govindarajan, Managing Director, Garrett Motion Tech (I) Pvt Limited
2. Mr Raghavendra Vaidya, Managing Director & CEO, Daimler Truck Innovation Center, India (DTICI)
3. Mr Asim Kumar Mukhopadhyay, Managing Director & CEO, Tata Motors Smart City Mobility Solutions Limited

There are four major sessions, and each session has 5 expert lectures.
Session 1: India's Pioneering Advances in Electric Vehicle Technology
Session 2: Revolutionizing Automotive Design, Styling & Engineering
Session 3: Cutting-Edge Innovations in Automotive Electronics
Session 4: Transforming Ideas into Impact - Catalysing a Carbon- Neutral Future

In addition, Mr Sadagopan Krishanan, Senior Vice President, Engine Development, Ashok Leyland Limited, delivered the topic of Future Mobility Outlook & Engineering for the same.

INDUSTRIAL VISIT TO TAMCOE AND TANCAM BY DR B ANAND RONALD AND DR R DAMODARAM

The final year students of B.E (Mechanical) program were taken for an Industrial visit to Tamilnadu Advanced Manufacturing Center of Excellence (TAMCOE), Tidel park, Taramani on 18 Oct. 2024. The students were accompanied by Dr. B. Anand Ronald and Dr. R. Damodaram, Associate Professor, Department of Mechanical Engineering, SSNCE. The students were first briefed about the safety measures during the visit, followed by Introductory session about Additive manufacturing, handling of powder, reuse of the metal powders, etc., followed by Introductory videos about the centre and then the plant visit, where they were shown about Direct Metal Laser Melting (DMLM) based metal additive manufacturing machine followed by secondary processing unit (Heat treatment, Wire EDM machine, Grinding and shot blasting machine) and Inspection unit (Coordinate Measuring Machine (CMM), 3D scanner, Ultrasonic flaw detector, surface roughness testing.

They were also taken to The Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM). The centre is an initiative of Tamil Nadu Industrial Development Corporation (TIDCO) and provides a dedicated IT engineering ecosystem to support the Micro, Small & Medium Enterprises (MSME) sector. The centre is technically supported by Dassault Systèmes and it's a one of its kind Centre of Excellence in the country. The students were briefed about the activities of the 3DEXPERIENCE Lab.

GUEST LECTURE BY FACULTY- DR S SURESH KUMAR

For the ‘Institution’s Innovation Council (IIC), Dr S Suresh kumar delivered the invited lecture titled “Innovative New Product Design using Design Thinking Approach” to EEE department of SSNCE. [Date: 29/08/2024]. Importance of Design Thinking approach for the new product design has been explored. Real time case studies using DT approach has also been discussed.

For the ‘Institution’s Innovation Council (IIC), Dr S Suresh kumar delivered the invited lecture titled “Role of Design Thinking in Educational Sector” to CSE deaprtment. [Date: 30/08/2024. Role of Design Thinking approach for the development of students and academic institutions have been discussed.

SSN DOCTORATE SCHOLARS DAY 2024

Sri Sivasubramaniya Nadar (SSN) College of Engineering celebrated its Doctorate Scholars Day during 28-29 October 2024, in an event that showcased the remarkable research achievements of its scholars. With participation from 121 out of over 250 full-time scholars from all 13 departments, the event included both oral and poster sessions that highlighted the rigor and innovative spirit defining SSN's academic culture. Among the presenters, nine scholars from the Department of Mechanical Engineering made outstanding contributions, demonstrating the high calibre of research within the department.

The valedictory session on the second day featured an insightful series of addresses by SSN's leadership. Dr. Kala Vijayakumar, President of SSN Institutions, inaugurated the session by acknowledging the significant role of SSN's Research Advisory Committee. She emphasized how mentorship from the committee's distinguished members has been pivotal in shaping SSN's strong research ethos. Dr. Kala Vijayakumar also highlighted SSN's distinctive research culture and its critical role in enhancing institutional rankings. She announced plans for a dedicated research block designed to foster interdisciplinary collaboration, underscoring SSN's commitment to pioneering research initiatives.
Dr. P. Ramasamy, Dean (Research), further elaborated on SSN's initiatives to drive research. He highlighted the impact of the Internally Funded Student and Faculty Projects, which have significantly contributed to achieving SSN's research goals and facilitated a culture of inquiry and discovery among both faculty and scholars.

Addressing the scholars, Dr. V.E. Annamalai encouraged them to look beyond traditional publications to explore patents, product development, and entrepreneurial opportunities. He highlighted SSN's iFound initiative, which supports scholars in transforming their research ideas into real-world applications. By focusing on technology readiness levels, Dr. Annamalai underscored the potential for SSN's research output to drive innovation and contribute meaningful solutions to industry and society. And he explained about the AICTE AURA scheme regarding funding for use of characterisation facilities.
Vice-Principal Dr. S. Radha introduced about a newly launched assistantship scheme that supports scholars attending international conferences abroad, available within a two-year block period. This initiative underscores SSN's commitment to promoting global exposure and academic networking. Additionally, Dr. Radha reiterated the institution's plans for a dedicated research block in the near future to facilitate interdisciplinary collaboration and strengthen SSN's position as a leader in research innovation.

The SSN Doctorate Scholars Day exemplified SSN's dedication to fostering a supportive, dynamic research environment. Through impactful research and rigorous inquiry, SSN scholars are addressing contemporary challenges and contributing to societal advancement. Awards were presented in three categories—Best Oral Presentations, Best Poster Presentations, and Best Scientific Interactions—with top scholars in each category honored for their exceptional research contributions. This recognition reflects SSN's commitment to upholding academic and research excellence.

The Department of Mechanical Engineering played a pivotal role in advancing SSN's research objectives, with an evaluation committee led by Dr. K.S. Vijay Sekar, Professor & Head, and Dr. S. Vijayan, Professor, reviewed the presentations. Mr. P. Naveen Kumar, under the guidance of Dr. R. Prakash, from our Mechanical Engineering Department received the Best Poster Presentation award.
The event, nicely organized by Prof. Ramasamy and his team, created a collaborative platform connecting researchers across diverse disciplines. SSN Doctorate Scholars Day continues to inspire scholars to pursue impactful research, reinforcing SSN's standing as a leader in research excellence and innovation.

A. Surya, Research Scholar & Alumnus of M.E. 2020 Batch

SSN INNOVATION DAY 2024

SSN Innovation Day is an annual event that celebrates the creative, research-driven, and entrepreneurial efforts of our students. This year, the event was organized by SSN College of Engineering in collaboration with SSN iFound, with over 60 student projects and 8 faculty projects showcased to an esteemed audience, including industry leaders from over 80 companies. The primary focus of the event was to highlight innovation in engineering and technology. Attendees had the opportunity to explore projects through live demonstrations, identify potential for commercialization, and evaluate standout teams for special awards.

From Department of Mechanical Engineering, Dr. Vijay Sekar K S (HOD), Dr. Divya Zindani (SPOC), Dr. Dr A K Lakshminarayanan, Dr S Suresh Kumar, Dr Srinivasan S A, Dr. Maniprabhu S S, Dr. Laxman Kumar Malla, Ms. Mithila Venkatakrishnan (Mech. Engg. Association-Student President), Mr. Anirudh Sridhar (Student co-ordinator) and Mr. Rishi Kranti (Student co-ordinator) played a pivotal role in organizing and coordinating the exhibition of various cutting-edge projects from both students and faculty members.

A total of 10 UG and PG student projects from the Department of Mechanical Engineering were displayed in the exhibition hall. These projects reflect the innovative spirit of the students, addressing real-world problems with engineering solutions. The projects presented were:

S. No.	Name of the Project	Students participated	Name of the Mentor
1	Snorkel and vent mechanism for engine safety	Thirlochan.L, Sooriya Prasaath.M.S,Sai Varun V	Dr. T. Micha Premkumar
2	Design and fabrication of bio-inspired swarm intelligent trans-bots	Shravan P	Dr.R.Vimal Samsingh
3	Design and Fabrication of Kinematic Mechanism for Stretcher - Wheel Chair	Monish P	Dr.K.L.Harikrishna
4	Design and Fabrication of SMA Actuated Aquatic Bot (Duck)	Cris Cyrus, Aditya T S S , Adithya Shriharu	Dr.Mani Prabhu
5	SMA based wearable arm rehabilitation device.	Harishankar, Monesh Kumar, Ashwin	Dr.Mani Prabhu
6	Assistive Music Therapy Gloves for Pediatric Cerebral Palsy Treatment	Preetha R, Shruthi Premraj	Dr.R.Vimal Samsingh
7	Robotic parallel manipulator as assistive devices	Jebin, Nithish	Dr. Satheesh Kumar Gopal
8	Inflatable Bag Assisted Rising Platform for Automobile	Srivarsan S, Tamilkumaran S, Thoushick ram P	Dr S Suresh Kumar
9	Mosquito eradication robot	Jebin	Dr. Satheesh Kumar Gopal
10	Friendly pet plant using Arduino IOT	Jobbren Xavier B	Dr. Satheesh Kumar Gopal

In addition to the student projects, eight faculty projects were showcased in the workshop block of the Mechanical Engineering Department. These projects highlight the department's commitment to advancing knowledge and technology in areas like materials science, manufacturing, and assistive technologies. The projects displayed were:

Name of the project	Faculty name
Robots for engaging elderly peoples	Dr G Satheesh Kumar
Ballistic performance of Composite Targets	Dr S Suresh Kumar
Corrosion fatigue Behaviour of High Strength Low Alloy Steel	Dr S Suresh Kumar
IoT - Based Virtual Reality Comforting Movement Design For Healing Rehabilitation	Dr M S Alphin
Development of Sensor for Non-Destructive Evaluation of Materials	Dr Vimalsamsingh
Novel Multifunctional Composites for Stealth Application	Dr Vimalsamsingh
Metal Additive Manufacturing of Ferrous and Nonferrous materials	Dr A K Lakshminarayanan

The invited guests included:Mr. Suresh Barola - CEO, Barola Technologies, Mr. Guruparan PITCHAI - Valeo Expert / Mechanical Simulation Leader - NVH, Valeo, Mr. Leo Bernard A. - Plant Engineering Head, Ashok Leyland, Mr. Selvam G. - Unit Engineering, Ashok Leyland, Mr. D. Eregamani - Founder & Director, Mapletech Solutions.

The student project “Snorkel and Vent Mechanism for Engine Safety” won both the Second Prize in the Power Judging Round and the People’s Choice Award, which was determined through votes cast by attendees. The team members received certificates and special recognition during the closing ceremony. Certificates of participation were presented by Dr. Vijay Sekar K S to all student participants, acknowledging their hard work and dedication.

The SSN Innovation Day 2024 was a resounding success, with active participation from both students and faculty. The event not only provided a platform for innovation but also fostered interactions between academia and industry, paving the way for future collaborations. The Department of Mechanical Engineering was well-represented through its diverse projects, demonstrating its commitment to innovation, research, and addressing societal challenges through engineering solutions

EVENTS ATTENDED

17/10/2024	Dr. B. Anand Ronald, Assoc. Prof/ Mech., attended a national level webinar on "Advancements in Additive Manufacturing: Government Initiatives and Emerging Opportunities in India" organized by Wipro 3D.
18/10/2024	Dr. B. Anand Ronald, Assoc. Prof/ Mech., attended a national level webinar on "Adapting Smart and Advanced Manufacturing - Industry 4.0" organized by EDII-TABIF in collaboration with TANSAM
25/10/2024	Dr KS Vijay Sekar, Prof&Head and Dr S Suresh Kumar, Asso. Prof attended a one-day Automotive summit organized by Confederation of Indian Industry (CII) in Chennai on 25.10.2024

FDP ATTENDED

23/09/2024 to 27/09/2024	Dr. Laxman Kumar Malla, Assistant Professor, attended a 5 day online short-term training program on "Learning CFD with Ansys Fluent" from 23 September 2024 to 27 September 2024 organized by Department of Mechanical Engineering, NIT Rourkela.

SCHOLAR INFO

25/09/2024	Dr. L. Poovazhagan, ASP/mech conducted the Ph.D viva-voce for his part-time research scholar, Mr Kulothungan S on 25.09.2024.
30/09/2024	Dr. L. Poovazhagan, ASP/Mech conducted the synopsis DC Meeting for his full-time research scholar, Mr G R Ravanneswarran (Reg no: 21122997177) on 30.09.2024
14/10/2024	Mr Prathap Singh, part time research scholar of Dr. D. Ananthapadmanaban, Associate Professor, completed his public viva voce on 14th October,2024 and he is recommended for Ph.D degree.
17/10/2024	Dr KS Vijay Sekar, Prof&Head, attended the DC meeting of a research scholar in the Department of mechanical engineering, Hindustan university (HITS), Padur on 17.10.2024 .
21/10/2024	Dr KS Vijay Sekar, Prof& Head/Mechanical conducted the Viva Voce examination of his full-time research scholar R Aarthi who defended her thesis titled" Enhancement of Joint Strength of TIG welded AA5083-F alloy plates through Scandium addition and Friction stir processing" on 21.10.2024.

INTERNATIONAL JOURNAL PUBLICATION

04/10/2024	M. Dhananchezian has published a paper titled “Machinability evaluation of inconel 600 by cryoprocessed carbide inserts” in the journal ‘Materials and Manufacturing Processes’.
09/10/2024	M. Sunil Kumar, S. A. Srinivasan, M. S. Alphin, B. Mustafa, Senthil have published a paper titled “Progresses in the NOX Elimination Using Zeolite Under Low-Temperature Ammonia-Based Selective Catalytic Reduction—A Review” in the journal ‘Advances in Materials Science and Engineering’.
25/10/2024	Chiranjib Bhowmik, Divya Zindani, Prasenjit Chatterjee, Dragan Marinkovic, Jūratė Šliogerienė have published a paper titled “Evaluation of Green Energy Sources: An Extended Fuzzy-Todim Approach Based on Schweizer-Sklar and Power Averaging Operators” in the journal ‘Facta Universitatis’.
27/10/2024	Brajesh Dhiman, Divya Zindani, E Akileshwaran, Gurdeep Singh, Debkumar Chakarabarti, Mrinal Krishna Chaudhury have published a paper titled “Decision-Making Frameworks for Assessment of Small-Scale Off-Grid Photovoltaic Home System-Based Design Concepts in Rural Context of North-east India” in the journal ‘Journal of Cleaner Production’.

Thamizh selvan FROM THIRD YEAR WRITES...

RIDE 24, a bike design and fabrication competition, was hosted by Karpagam College of Engineering, drawing participation from top engineering institutions. From our college, two teams competed: K Team and SSN Vanquishers. It was a moment of pride for us when SSN Vanquishers won the prestigious Best Team Award.

Being part of the SSN Vanquishers was an incredible experience for me. Our team took an old SUZUKI Max 100R bike and modified it with innovative designs, focusing on both aesthetics and performance. The competition allowed me to gain hands-on experience in bike mechanics, fabrication, and teamwork. It was a great learning journey where I enhanced my problem-solving skills and knowledge of design principles.

Winning the award was the highlight of our efforts, but the experience itself was equally rewarding. Participating in RIDE 24 gave me valuable insights and unforgettable memories.

ASHWINI V FROM second YEAR WRITES...

On 22nd June 2024, we began an exciting journey by participating in a project presentation led by the FPSI Community 2024, under the guidance of Dr. S.A. Srinivasan. Competing against 24 teams in the online preliminary round, we were thrilled to rank among the top five. As second-year students (3rd semester), we were the youngest participants in the competition.

Following our success, we advanced to the finals in Bengaluru on 4th and 5th October 2024, with travel expenses covered. With weeks of preparation and our professor's support, we refined our presentation. Arriving in Bengaluru early on the 4th, we felt both excitement and nervousness.

During our presentation at BMS College of Engineering, a power cut tested our adaptability. Despite this, we confidently presented without slides, impressing both judges and attendees.

Winning second prize, along with a cash award of ₹40,000, was a proud moment for us. This experience taught us valuable lessons in teamwork, preparation, and resilience, fueling our passion for future endeavors in the FPSI community.

NITHYANANDH G OF MECH'22 SHARES...

Nithyanandh (Mech22) pursuing Master's at Texas A&M University

I'm excited to announce to my LinkedIn community that I've started my Master's program in Mechanical Engineering at Texas A&M University in fall 2024.

I'm fortunate and honored to have been admitted into other prestigious universities, including University of Michigan - Ann Arbor, University of Southern California, Purdue University, Northeastern University, and University of Arizona. After gaining 2 years of valuable experience at TI Clean Mobility, where I had the opportunity to design electric vehicles and solve engineering problems, I'm eager to delve deeper into my field. A heartful thanks to my mentors, Mr. Suresh Kumar Kandreegula, Mr. Vijayan, Mr. Ravindhar Nagarajan and many more leaders & colleagues for their valuable guidance and support during my tenure at TICMPL.

I extend my deepest gratitude to my project guide, Professor Dr. Santosh Sampath, for his invaluable mentorship and providing me with the opportunities to work on Shape Memory Alloys (SMA) at SSN College of Engineering. I'm also thankful to Dr. G Selvakumar and Mr. Jiju Joseph M for their invaluable recommendations and unwavering support.

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. As I embark on this new academic adventure, I'm excited to explore new opportunities and collaborations, especially in Design & Manufacturing. Thank you all for being a part of my journey. Here's to new beginnings and continued growth!!

VISHAL SELVAMANI OF MECH'24 SHARES...

Vishal Selvamani (Mech24) pursuing Master's at University of Michigan-Ann Arbor

Hi, I am Vishal Selvamani. I am super excited to share that I've joined University of Michigan, Ann Arbor for master's in Automotive Engineering!

I'd like to extend a heartfelt thank you to Narayana Chittavarjula, Dr. Divya Zindani, and Dr. KL Hari Krishna—your support and guidance were instrumental in getting me to this point.

I vividly remember when I first came across the Automotive Engineering program page during my undergrad and thinking to myself, "This is where I want to be." Fast forward a few months and a lot of self-doubt, I did receive that admission letter that made my vision a reality.

I'm also incredibly grateful to my friends and family who stood by me throughout the application process. Your encouragement meant the world to me!

Looking back, it was a daunting process overall and I did face a lot of problems that I couldn't control, but in the end it's all worth it!

Onward to new beginnings at Michigan!

No Competition, No Progress

StratX

Aryabhatta College (AC), Delhi University (DU), Delhi

Link: Register here

Third JRD Tata Ethics Competition - National Essay/Poster Competiton

Xavier School of Management (XLRI) Jamshedpur

Link: Register here

EY Techathon 5.0

EY

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

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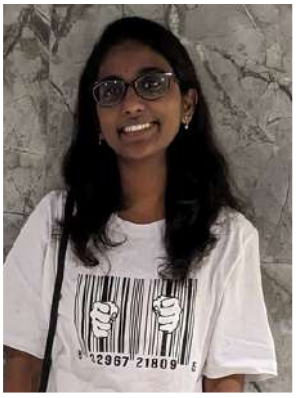

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