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SIGMA CLUB

# NEWSLETTER

PRESIDENCY UNIVERSITY
SIGMA CLUB
SCHOOL OF MANAGEMENT
CHAMPIONS OF CHANGE

Edition #8 | Sigma, Operations Club : School of Management | November 2025

## New Chapter Begins: Sigma Club Unveils Monthly Newsletter Edition 7

Hafis Mohammed P

We are thrilled to announce the release of Sigma Club Newsletter Edition 7, marking a significant milestone as the first edition produced since the selection of our new and enthusiastic office bearers, including President Avanthika Josh, Vice President Hafis Mohammed, and Secretaries Ambareesh Sarang and Darshan Gowda. The official launch underscores the importance of the club's role in the School of Management, and the newsletter was formally released by key faculty members. Dr. Prema Sankaran, Associate Dean and Professor of the School of Management, alongside program chairs Dr. Mohan Cherian (Professor of Practice), Dr. Nandini Sinha (Associate Professor), and Dr. Edwin TS (Associate Professor), were present to inaugurate the publication.

The faculty presence at the launch was a clear endorsement of the Sigma Club's mission. Speaking at the ceremony, Dr. Prema Sankaran emphasized the newsletter's function as a vital bridge connecting students, faculty, and the wider professional community. The program chairs: Dr. Cherian, Dr. Sinha, and Dr. Edwin TS, all offered their congratulations, expressing confidence that the new leadership will elevate the club's activities and publications, fostering an environment of continuous learning and excellence in management studies. Their continued guidance ensures the club remains aligned with the School of Management's academic vision.

# PLACED THIS MONTH

*The Sigma Club, Faculty, and School of Management proudly congratulate Mr. Arvind and Mr Karthik on their successful placement . We wish you the very best as you begin this exciting new chapter!*

## Arvind Swamy C

“I am delighted to share that I have been placed with **Transition Holdings**; the interview experience was both enriching and encouraging, and I feel truly grateful, proud, and motivated to begin this new chapter in my professional journey.”

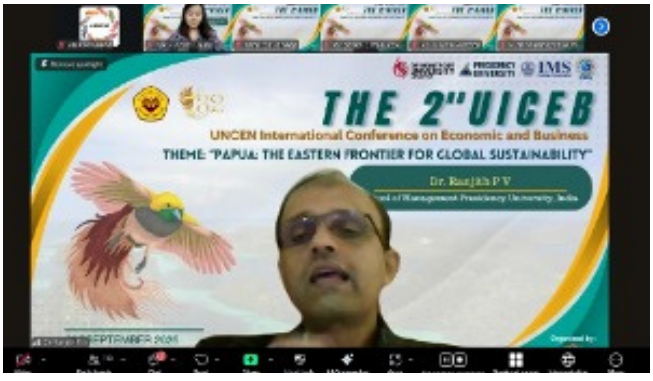
## Karthik Kabbaki

"The interview process was challenging yet fair, and the company team was remarkably organized, communicating clearly at every step. I am absolutely thrilled to be selected and ready to start contributing to the innovative work being done at **Transition Holdings**."

## Students Go Global with X-Culture and Nusantara

Dr.Ranjith P.V.

The School of Management is taking global learning to the next level! Our students are now part of two exciting international projects: X-Culture and Nusantara, where they work with students from around the world to solve real business challenges.In X-Culture, students are grouped with peers from different countries to help real companies with business problems. Around 15-20 students from our school cleared the readiness test, and the project runs from October to November. It’s a great opportunity to build teamwork, cultural awareness, and international business skills.The Nusantara Project goes a step further by helping students publish their work in international peer-reviewed journals, an amazing boost for anyone aiming for a research or global management career.Faculty members Dr. Ranjith P. V., Dr. Sivaprasad, and Dr. Ramesh Muthusamy from the Operations and Supply Chain Management Department are guiding students through both programs. Initiatives like these make learning truly experiential while also enhancing the university’s international reputation.Our very own Dr. Ranjith P. V.




represented the department as Keynote and Session Chair at the 2nd UNCEN International Conference on Economics and Business 2025, held on October 10 in Papua. The conference, themed “The Eastern Frontier on Sustainability,” gathered experts from across the globe. Dr. Ranjith spoke about new developments in sustainability, inspiring participants with insights on sustainable business practices.

## Bridging Technology and Leadership: My Experience at the PMI Bangalore India Chapter Seminar

V S Anandkannan

Attending the PMI Bangalore India Chapter Seminar was an eye-opening experience that connected academic learning with real-world applications of management principles. It offered valuable insights into how technology and human intelligence together are shaping the future of business and leadership.The first session, Digital Transformation & AI in Construction by Mr. Hemil Parekh (Aasaan Tech), focused on the growing influence of Artificial Intelligence in project management and operations. What stood out to me was his perspective on the fear of job loss due to AI. He emphasized that the key to staying relevant is not to resist technology, but to adapt, upskill, and use AI as a strategic advantage. His words truly resonated, highlighting how digital transformation is as much about mindset as it is about technology.The second session, Interpersonal Trust and Emotional Intelligence by Prof. Tarun Agarwala (Empanetics Research Labs), brought in the human dimension of leadership. He discussed how empathy, self-awareness, and trust form the foundation of effective management. His session reminded us that while AI can process data, emotional intelligence drives collaboration, motivation, and team success. The seminar also provided excellent networking opportunities with industry professionals and thought leaders, offering us a glimpse into the competencies required in modern management roles. Overall, it was a day of learning, reflection, and professional growth and a reminder that successful leaders of tomorrow must integrate technological intelligence with emotional intelligence

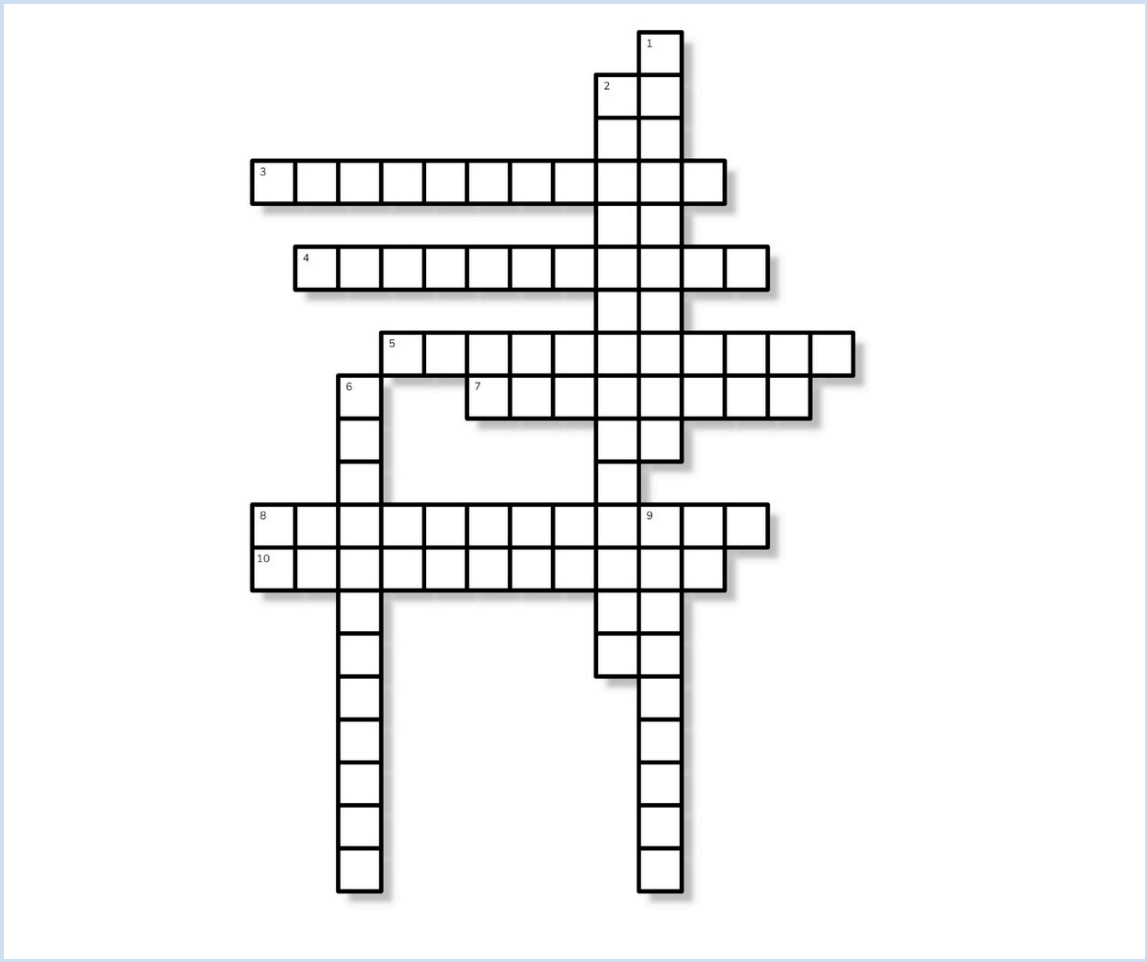
## INTERNAL SMART INDIA HACKATHON(SIH) 2025

Ambareesh Sarang

Presidency University, through its Makerspace, successfully organized the Internal Smart India Hackathon (SIH) on 22nd September 2025 with participation from 200+ student teams. The event was graced by Mr. Navratan Katariya (Chief Guest), Mr. Anurag Atulya, and senior leaders of the university.On this occasion, the Makerspace Magazine Innovation For You was released. The IIC Student Council for the academic year was launched. Dr.Ramesh.M Associate Professor School of Management


Innovation Incubation ambassdor mentored a few students in the competition and also was a jury member selecting the best team for National Smart India Hackathon (SIH). The event truly reflected the university's commitment to nurturing problem-solving, teamwork, and real-world innovation. Students worked on problem statements addressing challenges posed by various ministries, thereby gaining exposure to practical applications and national priorities. This initiative is preparing our students to represent Presidency University at the National Smart India Hackathon

Avanthika Josh



# SIGMA CROSSWORD CHALLENGE

Across

3. The sequence of processes involved in the production and delivery of goods
4. The storage and distribution of goods in a designated location
5. The monitoring and managing of expenses related to production and logistics operations
7. The procurement of raw materials or components needed for production
8. The process of making the most effective use of available resources
10. The prediction of future production and logistics needs based on data analysis

Down

1. The driving force behind successful production and logistics management
2. The movement of goods from one place to another
6. The process of getting finished products into the hand of customers
9. The stock of raw materials, work-in-progress, and finished products within a business

## ANSWERS

**Across**

3. SUPPLY CHAIN
4. WAREHOUSING
5. COST CONTROL
7. PROCUREMENT
8. OPTIMIZATION
10. FORECASTING

**Down**

1. PLANNING
2. TRANSPORTATION
6. DISTRIBUTION
9. INVENTORY

## Review of the Digital Transformation CXO Master Class

Joshua S Madhu

I attended the CXO Master Class on Digital Transformation conducted by Mr. Jaideep Ghosh, and it was a highly insightful experience. He explained that digital transformation is not just about technology but about reshaping business models, culture, and leadership to adapt to change.

Mr. Ghosh shared real-world examples from global organizations, showing how companies use digital tools to improve efficiency and innovation. I particularly liked his emphasis on the human side of transformation the importance of mindset, agility, and continuous learning.

The interactive discussions helped me understand how digital transformation impacts every industry and how even small businesses can begin their journey. Overall, the session gave me a clearer, more practical view of how technology and strategy work together to drive growth and competitiveness.

## Industrial Visit Report – 7th November 2025 Bangalore International Exhibition Center (BIEC) Indian Manufacturing Show (IMS 2025)

Dr.Ramesh.M
Associate Professor


The School of Management organized an industrial visit for the Freshers MBA Batch (Sections 8–13) to the IMS 2025 B2B Physical Event held at the Bangalore International Exhibition Center (BIEC) on 7th November 2025.The event, aligned with the national vision of ‘Make in India, Made for the World’, provided students with meaningful exposure to domestic and global manufacturing innovations.

The visit enabled students to understand emerging technological trends, industry expectations, and business-to-business (B2B) engagement models. Participants interacted with exhibitors, explored product demonstrations, and gained insights into the global competitiveness of Indian industries. The fair, held from 10:00 AM to 6:00 PM, featured diverse sectors contributing to India’s growing industrial ecosystem.Transportation arrangements were made in coordination with the administration for smooth movement of students and thank Faculty accompanying the students. The industrial visit proved academically enriching and enhanced students’ understanding of India’s industrial progress and global trade integration.

# Reverse Logistics and Circular Economy: A Review of Current Practices and Research Directions

Vaishnavi S

The concepts of Reverse Logistics (RL) and the Circular Economy (CE) have become essential strategies for sustainability and responsible resource management. As industries shift toward eco-conscious production and consumption, these approaches help minimize waste, conserve resources, and extend product lifecycles.Reverse logistics manages the flow of products from consumers back to manufacturers for returns, recycling, reuse, or remanufacturing. In contrast, the circular economy promotes a regenerative model where materials are kept in use for as long as possible, replacing the traditional “take-make-dispose” system. Together, they form the foundation for sustainable and efficient industrial ecosystems.


In modern business, integrating RL and CE is crucial for meeting environmental regulations and consumer expectations. Key RL practices include returns management, which helps recover product value and maintain customer satisfaction; recycling and reuse, which conserve natural resources; and remanufacturing, which rebuilds used products to like-new condition while cutting costs and waste. Research today emphasises the need for circular supply chains, where every stage from sourcing to disposal, is designed for reuse and recovery. Achieving this requires sustainable business models and collaboration across manufacturers, suppliers, and consumers. Technology also plays a major role: IoT, AI, and blockchain enhance traceability, transparency, and decision-making in reverse supply chains. Additionally, government support through policies and incentives can accelerate the shift toward circular practices.In conclusion, reverse logistics and the circular economy are shaping the future of sustainable business. By adopting technology, fostering collaboration, and rethinking supply chain design, organizations can move from a linear system to a circular, regenerative model that supports both economic growth and environmental preservation.

## Jargon Buster: Operations Terms Made Simple

**Pick-to-Light**
A warehouse system where lights guide workers to the correct item locations, boosting picking accuracy.

**Gemba Walk**
A Lean practice where managers go to the “real place” (shop floor or workspace) to observe processes firsthand.

# Sigma Quiz Sprint

Darshan Gowda

1. **What does the "5 Rs" concept in logistics primarily refer to?**
   A) Risk, Revenue, Reporting, Response, Reliability.
   B) Reduce, Reuse, Recycle, Repair, Return.
   C) Right product, Right quantity, Right condition, Right place, Right time.
   D) Reorder Point, Replenishment Time, Safety Stock, Forecast, Lead Time.

2. **Which term describes the process of managing the flow of goods and services from the point of origin tothe point of consumption?**
   A) Operations Management
   B) Supply Chain Management
   C) Inventory Control
   D) Procurement

3. **In manufacturing operations, what is "Throughput"?**
   A) The total cost of raw materials.
   B) The rate at which a system generates units of output.
   C) The amount of time a product spends in storage.
   D) The difference between planned and actual production.

4. **The Economic Order Quantity (EOQ) model aims to minimize the sum of which two costs?**
   A) Product cost and Labor cost.
   B) Inventory holding cost and Setup/Ordering cost.
   C) Transportation cost and Storage cost.
   D) Obsolescence cost and Depreciation cost.

5. **What is the purpose of a Cross-Docking operation in a warehouse?**
   A) To store products for long periods before shipping.
   B) To sort incoming materials and immediately transfer them to outbound vehicles.
   C) To assemble complex products from various components.
   D) To perform quality control inspections on all incoming goods.

6. **Which mode of transport is generally the cheapest per unit but the slowest for large volumes of low-value goods?**
   A) Air freight
   B) Road transport (Trucking)
   C) Rail transport
   D) Sea freight (Ocean shipping)

7. **What is Reverse Logistics?**
   A) The movement of finished goods from the factory to the customer.
   B) The movement of goods from the customer back to the seller or manufacturer (e.g., for returns, repairs, or recycling).
   C) The strategy of sourcing materials from international suppliers.
   D) The process of planning production capacity.

# The Death of the Spreadsheet Jockey: Why the Future of Operations is Human

Avanthika Josh


As we head into recruiting season and electives, I've been hearing one question constantly: "Is AI going to do my job before I even get it?

It's a fair question. Operations has always been the "math heavy" side of business, and AI is really good at math. But after talking to many industry mentors, my perspective has flipped. I don't think AI is a threat to the MBA graduate; I think it's our ladder For decades, the stereotype of the Operations Manager was specific, and frankly, a little dry. It was the "Excel Wizard"—the person in the back room with three monitors, crunching Pivot Tables, fighting fires,and obsessing and obsessing over variance analysis. But as we move through our MBA journey, the ground is shifting beneath our feet. Generative AI and Predictive Analytics are rapidly automating the "math" of operations.This begs the uncomfortable question that many of us have whispered during recruiting season: If the algorithm can optimise the route, forecast the demand, and balance the inventory better than we can... what is left for us? The answer? Everything that actually matters.We are witnessing a massive evolution from the Operations Manager as a "Calculator" to an "Orchestrator." In the near future, your value won't come from manually solving Linear Programming models, but from mastering the distinctively human skills that algorithms can't touch. While AI can calculate a statistically optimal shipping route, it is terrible at nuance; it cannot navigate the delicate decision to delay a shipment to save a distressed partner relationship. Furthermore, an algorithm might flag a bottleneck, but it can't walk into the VP of Sales' office to negotiate a launch strategy or resolve the eternal tension between Marketing's promises and Finance's budgets. Top firms aren't replacing people, they are building "Human-in-the-Loop" systems where the AI handles the heavy processing, but you—the strategic leader—make the final call based on ethics, reputation, and long-term vision.Don't fear the automation of technical skills. Embrace it.The more the "grunt work" is automated, the more time we have to do what MBAs are actually trained to do: Lead, strategize, and innovate.



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