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# TEXSTRIDES MAG

## INNOVATION AND EVOLUTION IN TEXTILES

VOL 07

Blending innovation with tradition

SMART TEXTILES

SVPITM
TEXTILE MANAGEMENT EXCELLENCE

TESTING TIMES

SEWING IT TOGETHER

WHIZ KIDS

MEASURING UP

HANDS ON

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# WORDS FROM THE CAPTAIN OF THE SHIP

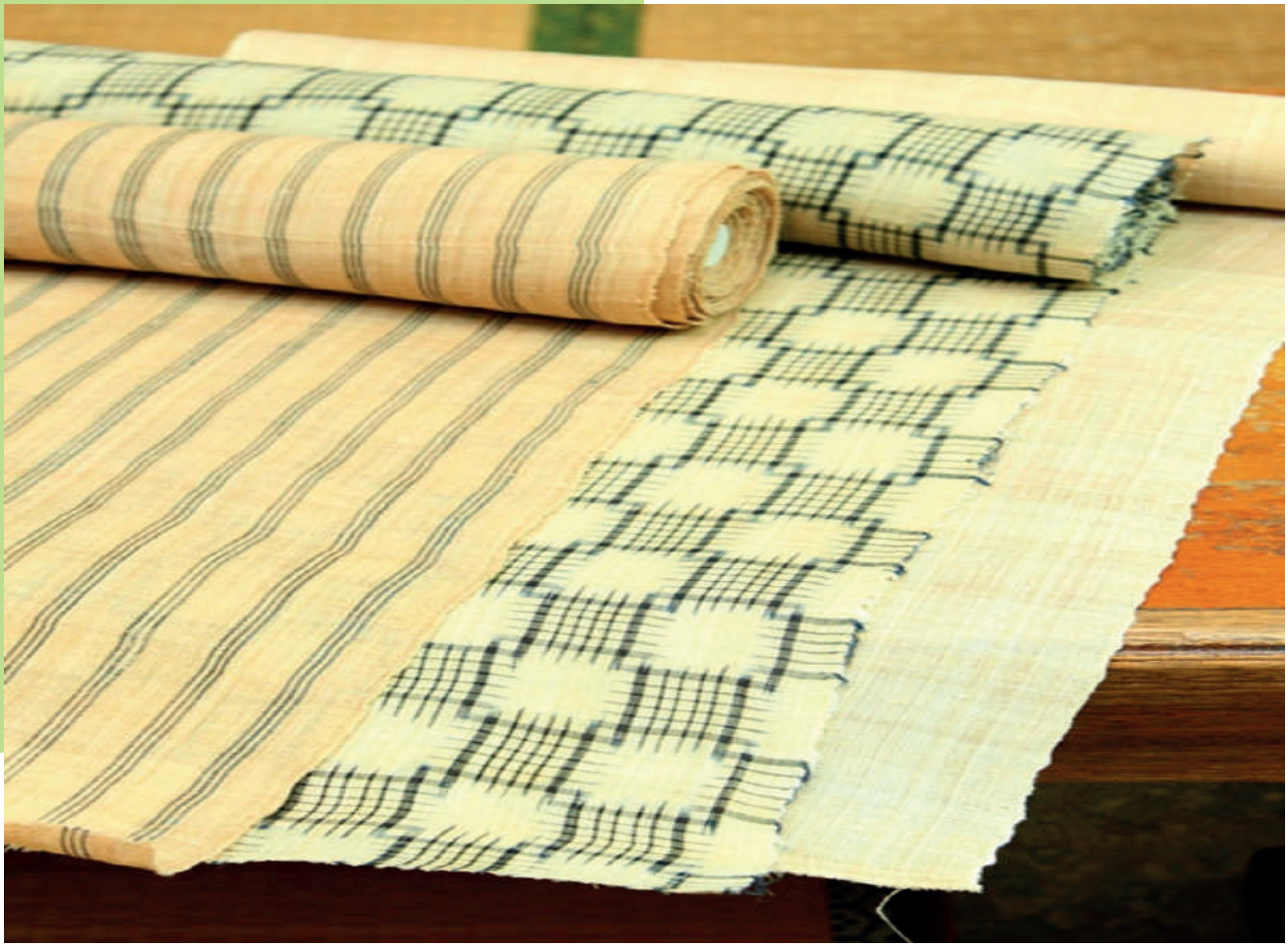
Dear Students,

At the beginning of this festival season, it is my pleasure to greet you all and wish you cheer and success in all your endeavors. This is also another opportunity for me to welcome the first-year students into the readership fold of 'Texstrides,' our magazine that is in its seventh successful year, blazing a trail so bright that it is hard to believe that it is a product of the students, by the students, for the students. In this instance, dear students we should remember with concern our fellow human beings across the world who are embroiled in war, who have been struck by natural and man-made disasters, and those who still do not have access to 'luxuries' that you and I take for granted. As future citizens of this country, as well as the entire world, we also wish you, our students, to keep the environment in mind always and strive to make the world a better place to live for all.

**Wishing each one of you all the best.**

**Dr. P. Alli Rani**

**Director**



# Innovations and Evolution in Textiles: From Sustainable Fibers To Smart Innovation

## Green Labels and Global Markets: Is India Ready?

The global textile industry is undergoing a seismic shift. Sustainability concerns, digital transformation, and evolving consumer demands are redefining what it means to succeed in fashion. India—a traditional textile powerhouse—is at a critical juncture: Is it ready to meet global standards for eco-certified products and smart manufacturing? This article explores India's textile innovations, sustainable practices, green certifications, and the preparedness of stakeholders to compete on the global stage.

The first step in this evolution is the rise of sustainable fibers. Traditional cotton is now being complemented or replaced by eco-friendly alternatives such as organic cotton, bamboo fiber, hemp and linen, recycled fibers, and even banana, orange, and pineapple fibers. India is experimenting with these options, but adoption remains slow due to limited awareness, infrastructure gaps, and cost sensitivity in domestic markets.

**Green labels and certifications have become essential for global competitiveness. Certifications like GOTS, OEKO-TEX® Standard 100, Fair Trade, Cradle to Cradle Certified™, and ISO 14001 serve as proof that products meet environmental and social responsibility standards. For Indian manufacturers, obtaining these certifications is a gateway to premium international markets, yet many MSMEs struggle with the high costs and complexity of the certification process.**

**Textile manufacturing is also stepping into the era of smart production. Industry 4.0 innovations such as AI and machine learning, IoT, digital printing, 3D knitting, and blockchain are being integrated by firms in Tiruppur, Surat, and Panipat. However, widespread adoption remains limited to larger enterprises due to high capital investment requirements and a shortage of skilled labor.**

**Despite its rich history and large workforce, India's textile sector faces challenges including fragmented supply chains, low awareness of sustainability practices, high modernization costs, regulatory gaps, and intense global competition. To address these barriers, the government has launched initiatives such as PM MITRA (integrated textile parks), the PLI Scheme for Textiles, and sustainability alliances, while leading brands like Arvind, Raymond, and Welspun are setting benchmarks by aligning with sustainable goals.**

**India's readiness for the global market is a mixed picture. The country has talent, potential, and a growing number of industry champions embracing sustainability. At the same time, much of the sector still relies on outdated methods, lacks compliance awareness, and needs greater financial and technological support. To truly compete on a global scale, systemic transformation is required—from fiber to fashion. This includes training rural artisans and SMEs in sustainable practices, simplifying eco-certification procedures, accelerating research in biodegradable and smart textiles, and incentivizing digital transformation across supply chains.**

**Textile evolution is not just about new materials or machinery; it is about a new mindset. Sustainability must become the norm, and every meter of fabric should tell a story of ethics, innovation, and responsibility. India, with its rich heritage and emerging technological capabilities, stands at a crossroads. The time to act is now—to weave a future that is smart, sustainable, and globally respected.**

Tamilarasan
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# Ventures that Spin Textile Waste into Hope

In a world that's drowning in discarded clothes and forgotten fabrics, The Good Felt stands as a quiet yet powerful revolution. Founded in 2022 by the visionary team at Enviu, this initiative is more than just another eco-brand. It is a story of resilience, of beauty born from brokenness, and of people being placed back at the heart of fashion.

India alone generates an alarming 7.2 million tonnes of textile waste every year. Out of this, 3.94 million tonnes come from households post-consumer waste like clothes, sarees, jeans, and bedsheets that have lost their place in our wardrobes. Shockingly, only about 1% of this enormous waste stream is recycled, while the rest ends up in landfills or is informally discarded, choking our cities and polluting our soil and water.

This is where The Good Felt steps in. Unlike many eco-friendly brands that focus solely on "green" products, this initiative takes a different path. It doesn't just weave fabrics it weaves people and dignity into its very foundation. From informal waste pickers working in unseen corners of society to skilled artisans who carry generations of craft, The Good Felt creates livelihoods where the mainstream system often sees only waste.

The products themselves tell stories of transformation. Imagine a laptop sleeve stitched from a repurposed saree, carrying within it memories of a household, or an acoustic wall panel that was once a pair of trousers softened, broken, and reborn into a new purpose. Every product carries a kind of quiet nobility, reminding us that broken things just like people can be reshaped into something beautiful.

As students, we are caught in the whirlwind of fast fashion buying, discarding, and scrolling endlessly for the next trend. Yet, stories like this urge us to pause. To look at our overflowing closets not with guilt, but with responsibility. What if every garment we wore could have a second life? What if fashion was not just about what we consume, but also about what we choose to sustain?

ReTex collects end-of-life linens and uniforms from hotels items that would otherwise be discarded in bulk and transforms them into paper, recycled yarn, and home textiles. What once seemed like useless fabric waste is now given a purposeful afterlife, cutting down landfill waste and reducing the carbon footprint. It is a reminder that innovation often begins with the question: what if waste could become raw material again?

Similarly, Remind, Enviu's denim upcycling project, tackles one of the most resource-heavy yet discarded fabrics in the world denim. Producing a single pair of jeans consumes thousands of liters of water and significant energy. Instead of letting old jeans add to the waste mountain, Remind gives them a second life. Through thoughtful redesign and craftsmanship, worn-out denim is reshaped into fresh, stylish, and sustainable pieces that carry history while offering a future.

Together, ventures like The Good Felt, ReTex, and highlight a crucial shift in how we define sustainability. They remind us that sustainability isn't about guilt or deprivation. It is not about shaming ourselves for consuming but about grace the grace to choose better, to buy wiser, and to align with brands that prioritize community over mere commodities.

In a world where fashion is often reduced to fast cycles, impulse buys, and short-lived trends, these initiatives bring back depth, meaning, and responsibility. They invite us to see fashion not just as self-expression but as a statement of values. When we wear products that are upcycled, repurposed, or designed with care for people and the planet, we are quite literally wrapping ourselves in principles of respect, responsibility, and renewal.

Ultimately, true style is timeless because it transcends fabric. It lies in the choices we make whether to support ventures that heal rather than harm, that create rather than exploit, and that transform waste into wonder. The Good Felt, ReTex, and Remind prove that fashion can be more than garments; it can be a movement towards resilience, creativity, and conscious living.

Devakiruba. R
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# **Unravelling Fibres from the Ocean:**
# The Next Wave in Regenerative Textiles

The ocean has always been a giver of life, but today it is emerging as a surprising source of sustainable textiles. From seaweed and algae to fish leather, innovators are transforming marine resources into fibres and materials that could significantly reshape the future of fashion. Unlike cotton or polyester, which demand high land, water, and energy inputs, these ocean-based fibres grow abundantly, regenerate quickly, and can dramatically cut carbon emissions.

Seaweed fibres are at the forefront. Companies like AlgiKnit (US) and SeaCell (Germany) are leading the charge, spinning yarns from kelp and algae that are soft, durable, and biodegradable. Seaweed's growth process absorbs vast amounts of $CO_2$ — some studies suggest that kelp forests can capture up to 20 times more carbon per acre than terrestrial forests — making its use in textiles doubly impactful: reducing emissions in production and offsetting carbon naturally.

Fish leather, once considered a by-product of the seafood industry, is making a return. Brands like Atlantic Leather (Iceland) and Nanai (Germany) are turning discarded salmon,perch and cod skins into luxurious leathers, requiring fewer chemicals and less water than traditional tanning processes. This not only reduces waste but also avoids the methane emissions that would otherwise be released if these skins decomposed.

Algae-derived fibres are another breakthrough. Vollebak, a British brand, recently experimented with an algae-based T-shirt that biodegrades within 12 weeks in compost. Meanwhile, Algalife (Israel) has pioneered algae-dyed textiles, eliminating toxic synthetic dyes and slashing water usage.Together, these innovations highlight a critical shift: sourcing fibres from the ocean not only eases pressure on overstressed land resources but also lowers the textile industry's carbon footprint. Where cotton demands about 2,700 liters of water for a single T-shirt, algae and seaweed thrive without freshwater irrigation, pesticides, or arable land.

***From seaweed spun into plastics to algae that glow and trap carbon, the ocean is weaving the future of fashion. Here, style meets regeneration—turning waves into wardrobes that heal the planet.***

What was once forgotten or discarded — like fish skins or marine algae — is now being reimagined as premium material. In this transformation lies fashion's opportunity to move from being one of the world's biggest polluters to becoming a partner in climate healing.

**Siva Pavai K.**
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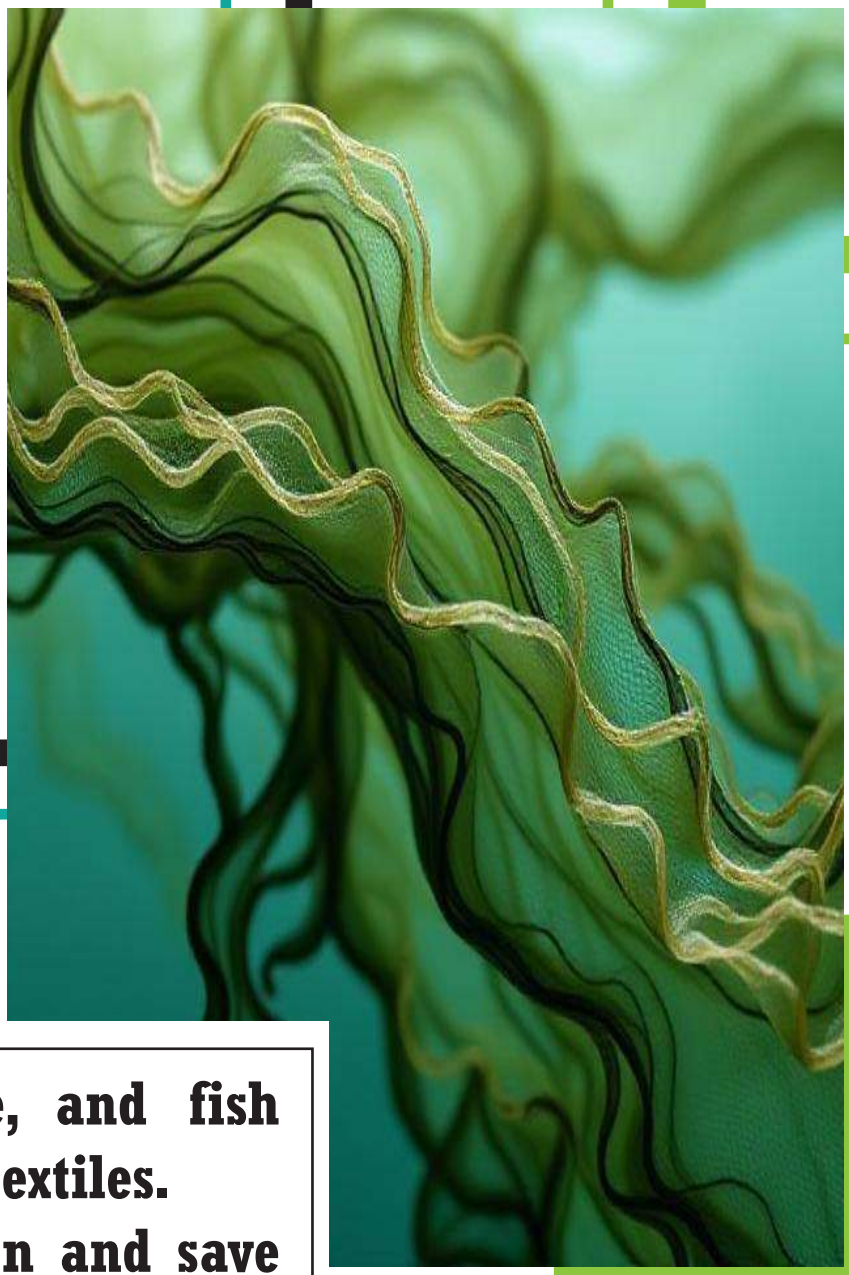

Seaweed, algae, and fish skins fuel eco-textiles. They cut carbon and save resources. Waste becomes luxury fabric. Fashion turns climate-friendly.

# REVIVING TRADITIONAL INDIAN FIBRES

## Banana, Lotus and Hemp in Modern Fashion

India's rich textile heritage has always been synonymous with natural fibres, intricate craftsmanship, and sustainable practices. In recent years, a global shift towards eco-friendly fashion has brought traditional fibres like banana, lotus, and hemp back into the spotlight. These fibres, once considered niche or regional, are now being embraced by top designers and sustainable brands for their unique texture, durability, and environmental benefits.

The global fashion industry, dominated by synthetic fibres like polyester and nylon, faces increasing scrutiny due to their significant environmental impact, including carbon emissions and microplastic pollution. In this context, India holds a unique advantage, with its abundance of agricultural by-products and rich tradition of weaving skills that can be harnessed to revive and promote natural fibres. At the same time, a growing shift in consumer preferences toward sustainable choices is driving demand for textiles that are biodegradable, cruelty-free, and have a low carbon footprint, making the need for sustainable alternatives in fashion more urgent than ever.

### Banana Fibre: The "Vegan Silk" from Plant Waste

Banana fibre is extracted from the stem of the banana plant, primarily in South India (Tamil Nadu) and the Northeast states. Known for its high tensile strength, softness, and biodegradability, it has a texture similar to silk but with a matte finish. Stronger than many natural fibres, it is also highly eco-friendly as it is made from agricultural waste. In modern fashion, banana fibre is used in weaving silk sarees in Tamil Nadu and Andhra Pradesh and in luxury textiles such as stoles, scarves, upholstery, and fashion accessories. Designers like Anita Dongre, through her Grassroot collection, and Gaurang Shah, with his handwoven sarees blending banana silk with cotton and khadi, have showcased the fibre's sustainability and rich textures

### Lotus Fibre: The Sacred Textile of Luxury

Lotus fibre is derived from the stems of the lotus flower, predominantly in Manipur and Myanmar, through a labor-intensive process of splitting and hand-spinning. It is ultra-lightweight, breathable, hypoallergenic, and naturally cool, making it ideal for tropical climates. However, due to its meticulous hand processing, lotus fibre is rare and expensive. It is often used in scarves, stoles, and couture garments for the luxury market and is sometimes blended with silk or cotton for durability. Designers such as Bunon and luxury houses inspired by Sabyasachi have introduced limited-edition scarves using lotus yarn, while Parisian luxury houses are integrating it into sustainable haute couture.

# Heritage fibres driving ethical luxury

## Hemp Fibre: The Ancient Eco-Warrior

Hemp has been historically used in India for ropes, mats, and traditional clothing. Made from the stalks of the hemp plant (Cannabis sativa), it requires minimal water and no pesticides, making it highly sustainable. Hemp is strong, durable, breathable, anti-bacterial, and UV-resistant, becoming softer with every wash. In fashion, it is used for casual wear such as shirts, trousers, and jackets, as well as accessories like bags, shoes, and home décor. It is also blended with cotton or silk for added softness. Designers and brands including Hemp Foundation India, Anita Dongre, Hemporium, and B Label (Bombay Hemp Company) are actively promoting hemp-based textiles for eco-luxury and urban fashion.

Banana, lotus, and hemp fibres appeal to designers for their storytelling value, cultural narratives, and handcrafted charm that align with India's weaving traditions like handloom and khadi. Their sustainability further enhances their appeal, as they reduce reliance on water-heavy crops such as cotton and synthetic materials.The revival of these fibres faces challenges such as high production costs due to manual extraction, limited consumer and designer awareness, and the difficulty of scaling up without government and industry support.

## Future of Indian Traditional Fibres in Global Fashion

The global fashion industry is gradually recognizing the potential of banana, lotus, and hemp fibres. While banana and lotus are finding a niche in slow fashion and luxury couture, startups are experimenting with blends and mechanization to make them more affordable. Global collaborations between Indian handloom clusters and international sustainable fashion brands are also opening new opportunities for growth.

The revival of banana, lotus, and hemp fibres goes beyond fashion—it reflects heritage preservation, sustainable luxury, and ethical innovation. These fibres demonstrate India's ability to merge ancient traditions with modern creativity, offering textiles that are as responsible as they are beautiful.

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# Fast Fashion vs Sustainable Fashion: A College Student's Dilemma Between Style, Savings, and a Struggling Planet

Every student loves a good deal: a ₹299 crop top, buy-one-get-one jeans, or those late-night Myntra flash sales. That Westside dress on sale? Too good to miss. It's quick, cheap, trendy and makes you feel like you've got your life together. But here's the catch: fast fashion might be costing us more than we think; just not from our wallets. While our wardrobes overflow, so do landfills.

Fast fashion is fast for a reason; cheap, trendy, and instantly available. It's tempting, especially when you're on a student budget and want to look fresh every fest season. But behind the price tag is a reality we often scroll past: unfair labor, toxic dyes, mountains of textile waste and fabrics that take 200+ years to decompose.

A 2024 survey on students' perspectives toward fast fashion revealed a significant shift in awareness. "I never really questioned where my clothes came from," shares Meera, a fashion design student. "But when I discovered how much water is used to make just one pair of jeans, it genuinely shocked me. Since then, I've started thrifting and upcycling instead."

"I used to order clothes every month; it felt harmless," says Riya, a second-year design student. "But learning how workers are treated and the waste it creates really changed my view. Now I focus more on how long something will last than how

•1 pair of jeans takes 7,500 liters of water
•10% of global carbon emissions come from fashion
•85% of textiles end up in landfills annually
•Most fast fashion workers earn below minimum wage

Sustainable fashion sounds expensive, but it doesn't have to be. Sustainable fashion isn't just about wearing jute or spending thousands on "eco-labels." It can be practical and stylish; even for students.Thrifting, swapping clothes with friends, supporting local artisans that pay fair wages, upcycling, and buying less but better; these are real, doable steps. You don't have to go full eco-warrior. Even small choices matter.

The dilemma is real: save money or save the planet? But maybe it's not an either-or. Maybe it's about balance; buying what you love, but loving it long enough to not throw it out next month. Sustainable fashion isn't about being perfect; it's about being mindful. You don't have to ditch all your clothes overnight. Start with one conscious choice at a time.In the end, fashion is self-expression. Just make sure it's not on the expense of the planet.

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# Threads of Tomorrow: How Innovation is Reshaping India's Textile Landscape

The Indian textile industry, a venerable pillar of the nation's economy and heritage, is currently experiencing a dynamic wave of innovation. Far from being a static sector, it is embracing cutting-edge technologies and sustainable practices, positioning itself as a global leader in the threads of tomorrow. Recent developments, highlighted in daily news reports and specialized industry magazines, underscore this transformative shift.

## The Green Revolution in Fibers

At the forefront of this innovation is a profound commitment to sustainability. As Textile Insights recently reported (July 18, 2025), a panel hosted by Uster Technologies delved into the challenges and tech-driven solutions for spinning high quality yarn from recycled fibers. This focus on circularity is a recurring theme, with initiatives aimed at optimizing India's textile waste supply chain, particularly for pre-consumer waste. Companies are actively exploring ways to segregate and digitally trace waste for recycling, demonstrating a true closed-loop approach. Vibeevest (March 17, 2025) further elaborated on India's push for sustainable textiles, noting key innovations in organic and regenerative cotton farming, recycled and upcycled fabrics, plant-based and biodegradable fibers, and low-impact dyeing techniques.

**Smart Textiles: Beyond the Fabric**

The concept of textiles is expanding beyond mere aesthetics and comfort. As Mint reported on June 23, 2025, e-textiles – clothing embedded with sensors – are gaining attraction in India, particularly for wellness and health monitoring. From smart shirts that can correct posture to garments tracking heart rate, respiration, or body temperature, these innovations are designed for continuous, passive monitoring, catering to India's increasingly tech-forward consumers. The Textile Magazine (July 16, 2025) also showcased the opening of Brückner Textile Technologies' new subsidiary in Coimbatore, highlighting advancements in textile processing machinery that contribute to more efficient and innovative production.

## Advanced Manufacturing and Digitalization

The manufacturing floor itself is undergoing a digital metamorphosis. Fibre2Fashion (May 30, 2025) emphasized how advanced textile machinery, including computerized flat knitting machines and modern weaving technologies like air-jet and jacquard, are empowering Indian businesses to scale rapidly and deliver consistent quality.

The recent launch of Orange O Tec's 'Rocket' – a hybrid single-pass digital textile printing machine – signifies a move towards more efficient and sustainable printing methods in India. Furthermore, the Indian Textile Magazine (January 27, 2025) reflected on the "U3 world—uncertain, unpredictable, and unorthodox" of 2025, underscoring the necessity of embracing technology for deeper connections and more efficient production.

### Policy Support and Global Aspirations

Government initiatives are playing a crucial role in fostering this innovative environment. India's Textile Policy 2024, though unveiled earlier, continues to drive the sector's transformation.

As reported by Fibre2Fashion (July 18, 2025), the ongoing discussions surrounding potential US tariffs and trade pacts are shaping India's strategy to enhance its global competitiveness. There's a clear ambition for India to emerge as a global leader in Man-Made Fibres (MMF), with the Confederation of Indian Textile Industry (CITI) actively laying out a roadmap for this goal (Fibre2Fashion, July 1, 2025).

The development of PM Mitra Parks, such as the upcoming one in Dhar district, Madhya Pradesh, further exemplifies the commitment to creating integrated manufacturing hubs that attract global brands.

### Challenges and the Road Ahead

While the landscape is ripe with innovation, challenges persist. Recent reports from The Economic Times (July 16, 2025) highlighted the government's consideration of a credit rating system and a common green fund to address credit access issues for MSMEs in the textile sector, acknowledging that banks often do not fully capture the industry's working capital needs.

Despite a slight decline in overall textile exports in June 2025, there's optimism for growth, particularly in apparel, as India positions itself as a reliable alternative in the global supply chain.

The Indian textile industry is clearly on an upward trajectory of innovation, driven by a confluence of sustainable practices, smart technologies, and supportive policies.

From embracing recycled fibers and waterless dyeing to integrating sensors into fabrics and leveraging advanced manufacturing, India is weaving a new narrative for its textile sector – one that is not only economically vibrant but also environmentally conscious and technologically forward-looking.

Suriya Prakash N
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# Seamless Supply Chains: Apparel's Shift to Cloud ERP

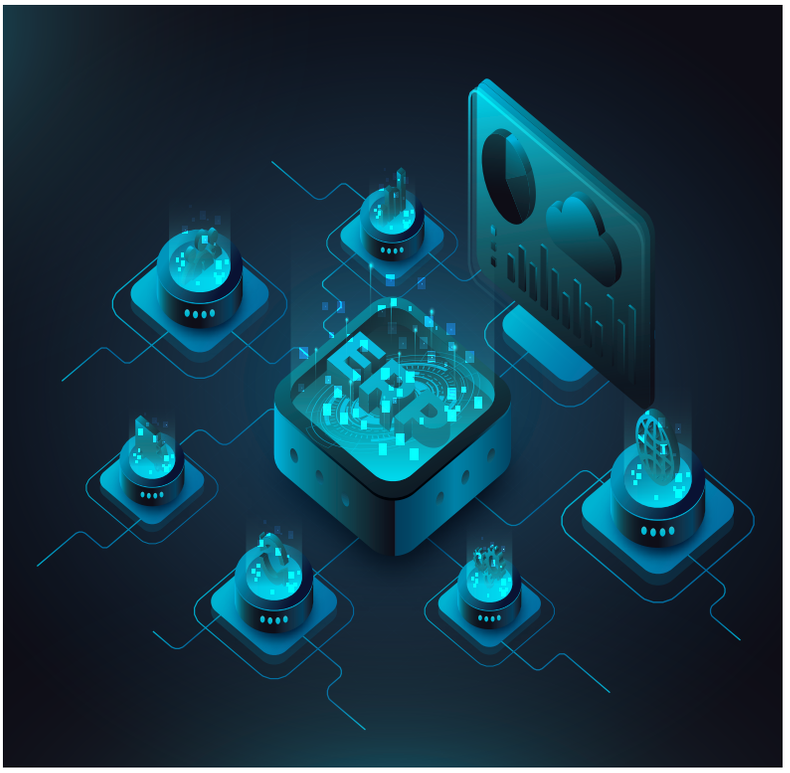
In today's fashion world, speed is everything. Trends change overnight, consumers demand personalization, and retailers juggle both online and offline channels. Behind the glamour of fast fashion and luxury lies a complex network of suppliers, factories, warehouses, in and stores all of which must move in harmony. To keep this global orchestra in sync, apparel companies are turning to Cloud ERP (Enterprise Resource Planning) systems, a digital backbone that is transforming supply chains into agile, intelligent, and future-ready networks.

## From Traditional ERP to Cloud Power

ERP systems aren't new for years, they've helped businesses manage core functions like inventory, production, and finance. But traditional ERP often sat on in-house servers, limiting accessibility and flexibility. Enter Cloud ERP: hosted remotely and accessible anywhere with an internet connection, it offers the real-time visibility and collaboration apparel supply chains desperately need.


## Why Apparel Supply Chains Need the Cloud

An apparel supply chain rarely stays under one roof. Cotton may be grown in India, dyed in China, stitched in Vietnam, warehoused in Europe, and sold in New York. Coordinating across so many geographies is no small feat. That's where Cloud ERP acts as the single source of truth linking raw material suppliers, manufacturing units, logistics providers, and retailers into one unified system.



## Key Benefits Driving the Shift

**1. Real-Time Visibility**
Track everything from yarn inventory to garments in transit at a glance. This 360° view help brands avoid surprises and delays.

**2. Smarter Demand Planning**
By analyzing past sales, POS data, and market signals, Cloud ERP predicts what customers want, ensuring the right styles are produced in the right quantities.

**3. Stronger Supplier Management**
From automated purchase orders to vendor performance tracking, brands gain tighter control over sourcing and can spot bottlenecks before they escalate.

**4. Agile Production Scheduling**
Whether it's adjusting to last-minute design tweaks or scaling up for a sudden spike in demand, ERP helps manufacturers keep the line moving efficiently.

**5. Omnichannel Retail Support**
Today's consumer shops everywhere online, in-store, and via social media. Cloud ERP syncs inventory and pricing across all channels, ensuring seamless experiences.

**6. Remote Collaboration**
With global teams designing in one country and producing in another, cloud access allows decision-making anytime, anywhere.

## Beyond the Basics: Advanced Features

Modern apparel ERPs go far beyond simple spreadsheets and dashboards, offering an integrated approach to managing the entire business. They connect key functions such as PLM (Product Lifecycle Management), which tracks designs and materials from concept to production, and Barcode/RFID systems, which automate warehouse operations with real-time tracking. These systems also incorporate Quality Management to ensure garments meet standards at every stage, as well as Costing Modules that calculate fabric, trims, labor, and overhead for accurate pricing. Increasingly important in today's conscious consumer era, they also include Sustainability Tracking, measuring carbon footprint, water use, and ethical sourcing to help brands meet both regulatory requirements and customer expectations.

## Case Studies: Fashion Meets the Cloud

Aditya Birla Fashion & Retail leverages Cloud ERP to seamlessly connect over 3,000 stores and warehouses, enabling real-time customer engagement and efficient operations. Similarly, ZARA (Inditex) relies on ERP-driven supply chain agility, allowing the brand to launch new collections within weeks and stay ahead of fashion trends. Raymond has also embraced the cloud, streamlining procurement, production, and distribution processes across India, resulting in greater efficiency and scalability.

## The Future: A Smarter, Connected Supply Chain

The adoption of Cloud ERP marks a shift in the apparel industry from fragmented to connected, making it a strategic necessity for meeting demands of speed, sustainability, and personalization. Today's supply chain is no longer just about moving fabric. it's about integrating data, technology, and creativity into a seamless, resilient ecosystem.

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# From Spindles to Spreadsheet:
## Forecasting the Future of yarn IoT

In an industry known for its heritage and craftsmanship, the textile sector is now embracing a digital revolution. Predictive analytics—once the domain of finance and tech—is rapidly becoming a game-changer in yarn demand forecasting, enabling manufacturers to make smarter, faster, and more accurate decisions.

### The Shift from Guesswork to Data-Driven Precision

For decades, yarn demand was forecasted using historical sales, seasonal patterns, and industry intuition. While this approach worked to an extent, it often resulted in overproduction, stockouts, or delayed deliveries—issues that are costly in today's competitive, just-in-time market.

Enter predictive analytics: the science of using historical data, algorithms, and machine learning to predict future demand with greater accuracy. For yarn manufacturers and textile mills, this means anticipating which blends, colors, and counts will be in demand months in advance—before the orders arrive.

## What Does Predictive Analytics Look At?

Modern forecasting tools analyze a variety of data points:

+Historical sales trends
+Seasonality and fashion cycles
+Retailer order patterns
+Economic indicators and raw material prices
+Social media and market sentiment

By crunching this data, predictive models generate demand projections that help mills optimize their production schedules, inventory levels, and procurement strategies.

## Benefits That Go Beyond Forecasting

Reduced Waste: Accurate predictions prevent overproduction and minimize unused stock. Efficient Resource Use: Mills can plan for dyeing, spinning, and sourcing in a cost-effective way. Faster Time-to-Market: Forecasting allows quicker response to emerging trends, improving agility. Better Collaboration: Shared data between retailers and manufacturers strengthens supply chain.

## From Fiber to Fashion: Real-World Impact

Let's say a major fast-fashion brand is planning a spring collection with earthy tones and soft cotton yarns. Using predictive tools, the yarn supplier identifies increased demand for organic cotton in pastel hues, adjusts production accordingly, and ensures on-time delivery—avoiding stockouts during peak manufacturing. Meanwhile, smaller mills using Excel sheets and guesswork may find themselves overproducing outdated styles or struggling to meet new demands.

## Challenges to Watch

While the advantages are clear, challenges remain:

+Legacy systems in older mills may lack integration capabilities.
+Data quality is critical—poor inputs mean poor outputs.
+Skilled personnel are needed to interpret and apply analytics insights effectively.

## The Future: Smart Mills, Smarter Moves

As digitalization deepens, predictive analytics will become a core part of mill operations—integrated with ERP systems, IoT-enabled machinery, and even AI-driven design recommendations. The smart mill of the future will not only produce yarn efficiently but also anticipate market movements with precision.

Preethi A.R
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# IoT in Indian Spinning Mill:Real-Time Optimization for the Future

The Indian textile sector an industry with centuries-old roots and global recognition is at the threshold of a digital revolution. While spinning mills have long relied on craftsmanship and labor-intensive processes, the Internet of Things (IoT) is redefining the way yarn is produced. With smart sensors, connected devices, and cloud platforms, Indian mills are transforming from manual monitoring hubs into intelligent, data-driven ecosystems.

## From Manual Monitoring to Smart Mills

Traditionally, spinning mill operations revolved around human supervision and reactive maintenance. Operators monitored machinery performance visually, often identifying faults only after defects appeared orproduction halted.

With IoT, the landscape has shifted. Sensors embedded in machines carding, blow room, ring frames, and winding units collect data on vibration, temperature, humidity, spindle speeds, power usage, and even operator performance. This information flows seamlessly into centralized dashboards and mobile apps, offering managers a real-time, 360° view of mill operations.

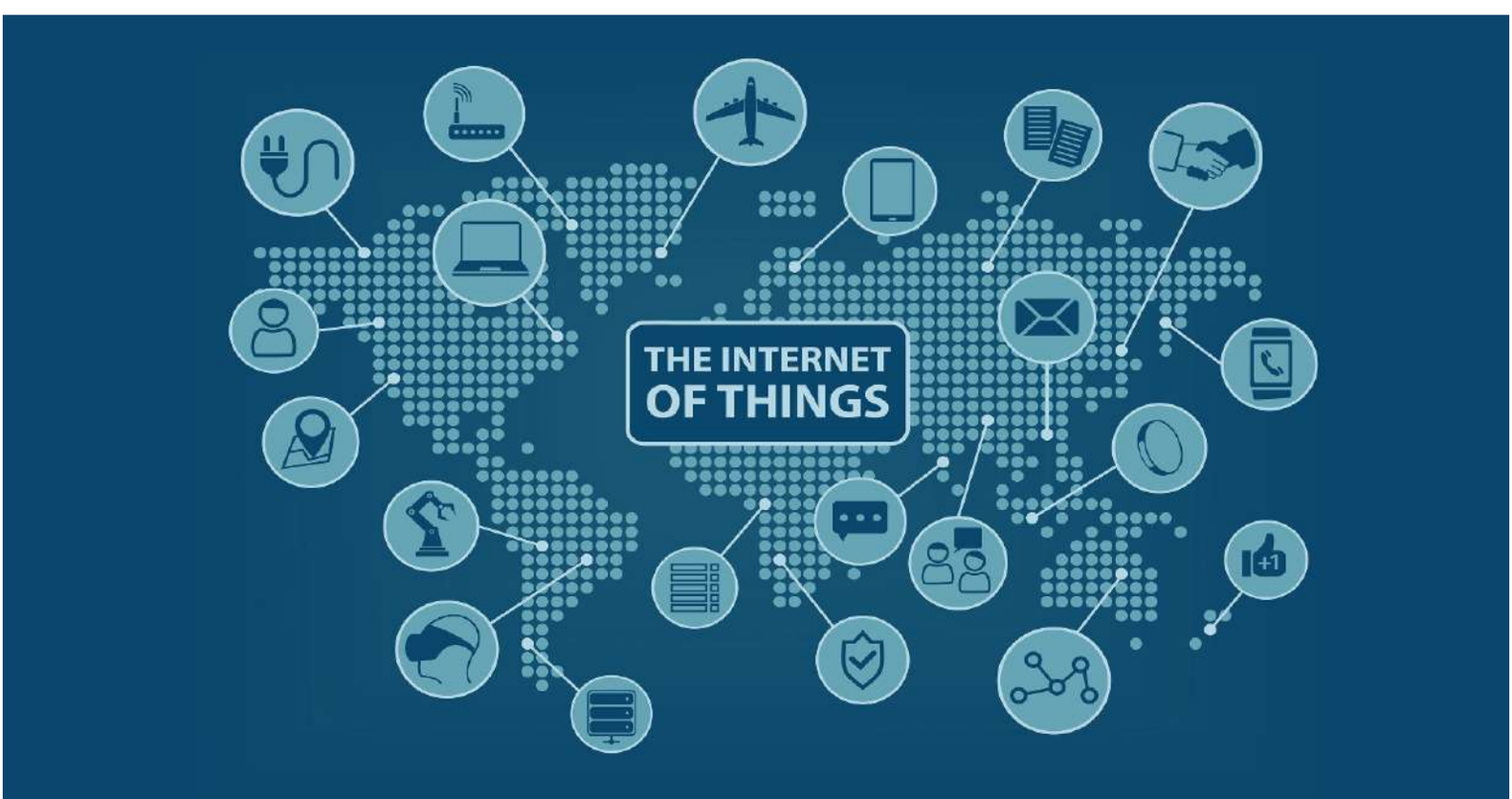
The result? Problems are detected before they escalate, and efficiency is no longer left to chance.

## Key Benefits of IoT Adoption

**1. Reduced Downtime**
IoT enables predictive maintenance, identifying abnormal vibration or overheating early. This prevents costly machine breakdowns, ensuring smoother, uninterrupted production.

**2. Consistent Yarn Quality**
Yarn properties are highly sensitive to humidity, temperature, and airflow. Smart sensors maintain these parameters within strict limits, leading to improved uniformity, fewer defects, and higher grade yarns.

**3. Energy Optimization**
Electricity costs account for nearly 40–50% of spinning expenses. IoT-powered smartmeters detect energy leaks, trackmachine-level consumption, and help mills cut unnecessary waste translating directly into cost savings.



**4. Transparency and Traceability**
As global buyers demand sustainability and supply chain transparency, IoT ensures every spindle, batch, and operator is digitally tracked. This builds credibility with international brands while simplifying compliance with certifications.

## A Case in Point

A pioneering spinning mill in Tamil Nadu recently integrated IoT across its operations. Within six months:

Unplanned downtime was reduced by 30%, while energy bills dropped by 15% through smarter usage practices. Production efficiency improved by 20% as a result of real-time adjustments, and training programs were redesigned using insights gathered from operator performance data.

This case highlights how granular, real-time insights can transform mill performance, ensuring profitability while boosting workforce productivity.

## The Road Ahead: IoT as a Strategic Necessity

The adoption of IoT in Indian spinning mills is more than a technological upgrade it's a competitive necessity. As global supply chains demand faster lead times, zero-defect quality, and sustainable operations, IoT positions Indian mills as agile, reliable partners.

Future applications will include AI-powered forecasting for yarn demand based on production and market trends, the use of digital twins of mills to enable virtual simulations for better decisionmaking, and the integration of blockchain technology to provide end-to-end traceability from cotton farms to finished garments.

## Conclusion: Weaving Data into Every Strand

Indian spinning, once defined by skilled hands and intricate machines, is now evolving with IoT, where every strand of yarn carries both quality and intelligence. The future lies in blending tradition with technology machines that communicate, systems that predict, and processes that adapt transforming mills into hubs of resilience, competitiveness, and sustainability.

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# Turning Challenges into The Punarbhavaa Way

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**Managing Director**
**Punarbhavaa Sustainable Products**

In a world where industries race to keep up with change, sustainability has shifted from being a choice to a necessity. But what happens when a leader dares to believe that business should not just make profits—but also heal? That belief lies at the heart of Punarbhavaa Sustainable Products (PSP), a company that is rewriting the rules of growth, guided by the vision of its managing director, Mr. Sakthivel.

"Sustainability is not just about reducing waste. It's about redefining growth in a way that respects both people and the planet," he tells us, his words sharpened by a striking metaphor: "Killing 10 people and giving birth to 20 does not equalize it. That is what deforestation means to me."

What began as the dream of being a one-stop solution for sustainable packaging has now grown into a global name in eco-innovation. From cotton-based paper to zero-waste production methods, Punarbhavaa has consistently challenged the limits of convention, and in doing so, has placed India firmly on the global sustainability map. In its early days, customers were hesitant to trust alternatives to traditional packaging. Skepticism ran deep, but persistence became the company's strongest material. Over time, their eco-packaging solutions not only won over local buyers but also reached international markets. "My team is my family," Sakthivel says with pride, acknowledging the people who carried the mission through moments of doubt and rejection.

Behind the eventual success lay countless struggles. Sakthivel openly recalls breaking down under the weight of repeated setbacks, only to find resilience as his most loyal companion. Every rejection, he reflects, became a stepping stone toward something greater. The deeper motivation that kept him moving was never just about building a profitable company but about giving back to the planet itself. "Apart from profit, we need to return something to Mother Earth," he insists.

The impact of this philosophy is not just felt—it is measurable. Punarbhavaa's innovations have saved over 1.6 lakh trees, conserved millions of litres of water, and prevented 6,500 tons of waste from entering landfills. One of its proudest milestones was the creation of the world's first cotton paper, produced using solar energy and a zero liquid discharge system. By replacing wood pulp, this innovation avoided deforestation while also reducing mountains of waste. It is achievements like these that have drawn global giants such as Patagonia, Disney, and Walmart to partner with Punarbhavaa.

For Sakthivel, the vision of the future is crystal clear: affordability and mass production must go hand in hand with sustainability. "We don't want monopoly; we need the thrill to compete," he remarks, reflecting his belief that real progress must be collective rather than monopolized. With a philosophy rooted in innovation, humility, and recognition, Punarbhavaa is not just building packaging solutions—it is nurturing a movement. A movement that redefines growth, not as a burden on nature, but as a way of giving back to it.

**Shri. DEVADAS D.**
**President Director**
**Texcoms Textile Solutions**

# Weaving Change: The Transformational Journey of Mr. Devadas,President of Texcoms Textile Solution

From a young textile student uncertain of what he had truly learned during his B.Tech years to a director shaping industries across borders, Mr. Devadas's journey is one of learning, innovation, and resilience. He recalls how practical exposure during internships taught him more than textbooks ever could, a realization that later deepened at IIT Delhi, where he learned the art of root-cause analysis and problem-solving under the guidance of Professor Sengupta.

His career took off with greenfield projects in Masulipatnam and KANCI PRINTS,
Chennai—initiatives that not only revived cyclone-affected weavers but also transformed silk processing into diversified cotton and blends ventures. Along the way, he pioneered techniques like discharge printing and pigment-based stone wash effects, even designing equipment to bring these innovations to life.
But Devadas's expertise didn't stop with textiles. He ventured into starch and high-fructose syrup manufacturing, plastics, and even biomass and biogas power projects—each experience sharpening his ability to lead across industries. What remained constant was his unwavering belief in integrity, accountability, transparency, respect, and the power of teamwork.

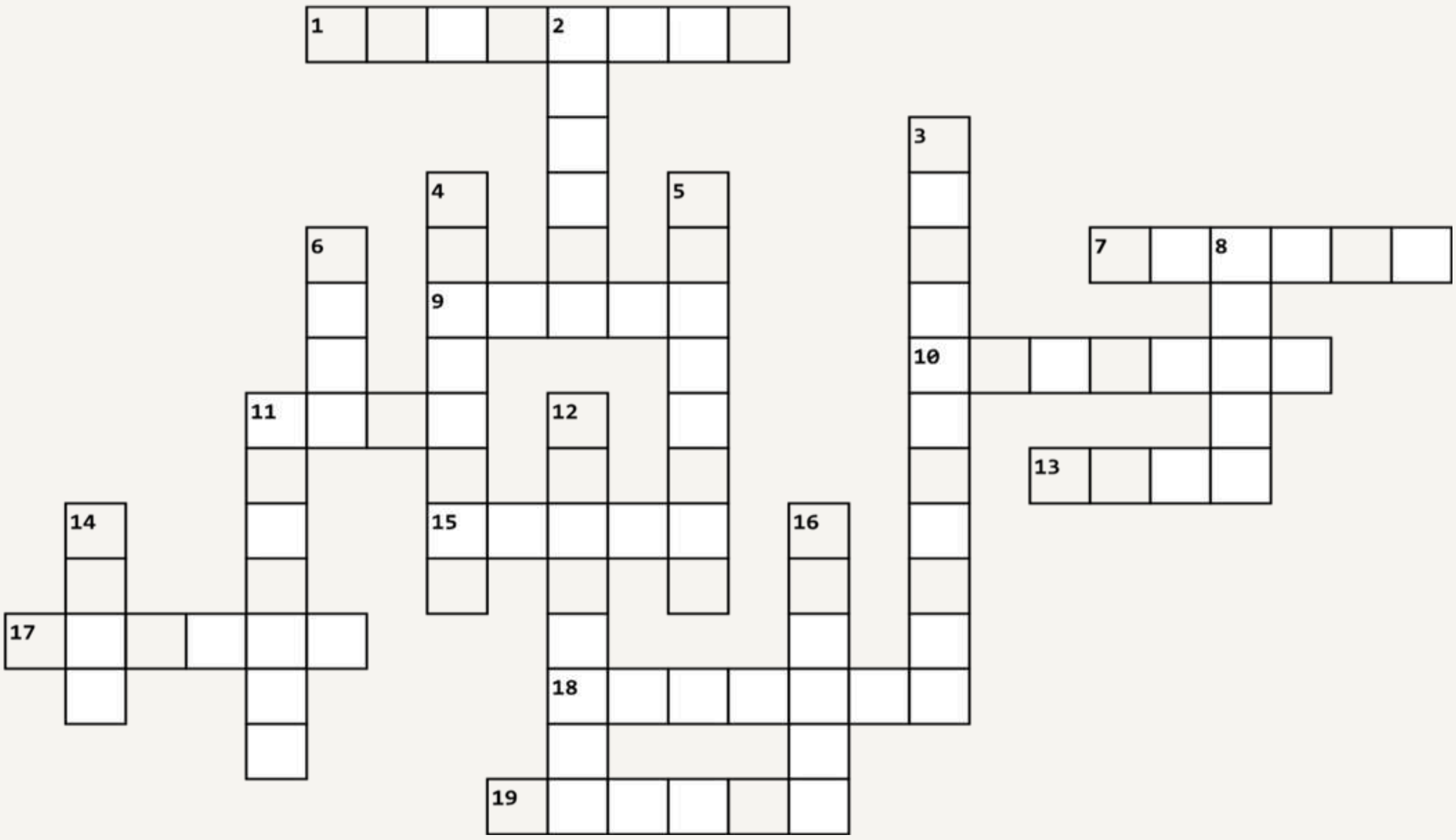
**In every sense, Devadas's story is not just about textiles but about transformation—personal, industrial, and global.**

For him, the future of textiles cannot be imagined without sustainability. He advocates for fibers sourced from banana, pineapple, and coffee, emphasizes garment-to-garment recycling, and champions water conservation and circular economy models. At the same time, he underlines the urgency of embracing automation and AI—from smart factories and predictive analytics to self-correcting machines—to keep pace with global competition, especially from China.

The challenges are many: cost pressures, unpredictable global demand, and the environmental responsibilities weighing on textile manufacturers. Yet Devadas sees equal promise in technical textiles, digital printing, and the possibilities that advanced technologies can unlock. His advice to young professionals is clear—be creative, adaptable, financially literate, and ready to harness digital tools, all while keeping sustainability at the core of their vision.

# TALENT SPOT

## CROSSWORD:



## Across:

1. A luxury fiber obtained from the undercoat of goats.
7. A soft, fluffy fiber that grows around the seeds of a plant.
9. A fabric made from the fibers of the flax plant.
10. A synthetic fiber often used as a substitute for wool.
11. A lightweight material often used for cushioning and insulation.
13. Which natural fiber, taken from the fleece of animals is warm, crimped, and naturally flame-resistant?
15. Which synthetic fiber is known for its high strength, elasticity, and durability, and is commonly used in ropes, fishing nets, parachutes, and hosiery?
17. A synthetic fiber made from polypropylene or polyethylene.
18. Refers to how closely packed fibers are in a fabric.
19. A strong synthetic fiber used in bulletproof vests.

## Down:

2. A lightweight, plain-woven cotton fabric.
3. The ability of fabric to hang in graceful folds.
4. A long, continuous strand of a fiber.
5. The process of burning off protruding fibers to give fabric a smooth surface.
6. A certification that ensures textiles are tested for harmful substances and made sustainably.
8. A weave pattern characterized by diagonal parallel ribs.
11. A finishing process that makes woolen fabric thicker and stronger.
12. The edge of woven fabric that prevents unraveling.
14. a natural filament fiber
16. A unit used to measure the thickness of fibers

# Lab of Hidden Hues: Mysteries of Dyeing & Printing

- I sneak into fibres and refuse to flee, Not a pigment, yet bonded chemically. I live in cotton, deep and fast, Alkali helps me make it last.
  **What am I?**

- I question your fabric with pressure and heat, Subliming colors in a gaseous feat. Polyester surrenders when I appear— designs become permanent, sharp, and clear.
  **What am I?**

- I start as a resist and end as a style, Patterns emerge after a caustic exile. Two tones appear, where once was one—my discharge mission is cleanly done.
  **What am I?**

- I am not a dye, yet colors I share, held on the surface with mechanical care. I cover the cloth like paint on a wall, good for bold prints, not fine lines at all.
  **What am I?**

- I slow down the runaways trying to spread, keeping sharp outlines and edges instead. In printing pastes, I am the key I control viscosity with expertise.
  **What am I?**

- I'm not a new color, yet I alter the view, one tone becomes many depending on hue. I improve fastness without adding a trace, fixing the dye in its rightful place.
  **What am I?**

# Textile Spy Files: Secrets of Fibres & Fabrics

- I guard your body like a silent shield, against winter winds or in a snowy field. From sheep I'm taken, warm and deep in sweaters I'm a secret you keep.
  **What am I?**

- I start in the farms, white and light, spun into yarn, clean and bright. Soft on the skin in shirts I stay, absorbing sweat along the way.
  **What am I?**

- I am born in sticky trees or rubber seeds, stretching in all directions for your needs. In socks and waistbands I hide inside without me, your clothes won't stay tied.
  **What am I?**

- I'm smooth as water, strong yet thin, from cocoons where small worms spin. I shimmer and shine in every light, like a spy sneaking through the night.
  **What am I?**

- I come in patterns, squares, and lines, tailors love me for neat designs. In shirts and skirts I often appear a classic style through every year.
  **What am I?**

- I fight the rain, I block the leak, in raincoats I'm the strength you seek. I'm plastic-like, but cloth at heart a waterproof, wearable art.
  **What am I?**

**PREETHI A R**
2ND MBA RETAIL MANAGEMENT

# Threads of Time

From spindle’s song to silicon’s hum,
The loom of life keeps weaving — one.
Ancient hands once spun with grace,
Now machines echo that same embrace.

Cotton whispers of fields once sown,
By calloused palms and dreams well-known.
Yet now, with science, fibers bloom,
From ocean depths to lab’s bright room.

The warp is tradition, strong and tight,
Woven with stories, colors, light.
The weft is innovation, swift and new,
Dyeing the old in a modern hue.

From Banarasi gold to graphene lace,
Each thread holds a timeless trace.
Past and future, hand in hand,
Weave a fabric that will stand.

So may each textile softly say,
That heritage lights the future’s way.
In every fiber — old or new —
Lives the art, the craft, the you.

**Siva Pavai K**
**II - MBA (Apparel Management)**

# CAMPUS CHRONICLES

## VALUE-ADDED PROGRAM

- An expert talk on “HR Analytics in the Textile Industry” was organized for 2nd-year MBA, BBA, and B.Sc. Technical Textiles students on 25.07.2024. Dr. J. Shanthi Lakshmi, Professor, Janson's School of Management, Coimbatore, served as the resource person. The session emphasized practical applications of HR analytics in the textile sector, focusing on data-driven decision-making, workforce optimization, and aligning human resource strategies with organizational objectives. Students gained insights into how analytical tools can enhance talent management and operational efficiency.
- A Value-Added Program on “Digital Marketing Strategies” was conducted in April 2025 for MBA, BBA, and B.Sc. students. The program explored online marketing tools, social media strategies, and digital campaign management specifically tailored to the textile and retail sectors. Students learned to design effective digital marketing campaigns, analyze consumer engagement, and leverage technology to drive business growth in a competitive market.
- A Guest Lecture on “Scope of Textile Management” was organized for MBA and B.Sc. students on 25.11.2024. Dr. V. Kumaresan, Professor, PSG College of Technology, Coimbatore, delivered the lecture, highlighting emerging career opportunities, industry trends, and managerial challenges in the textile sector. Students gained awareness of potential career paths and the skills required to succeed in textile management.
- An Expert Talk on “Emerging Trends in HRM” was organized for MBA students on 11.02.2025.
  Dr. J.Shanthilakshmi discussed contemporary HR practices, strategic HR initiatives, and the integration of technology in workforce management. The session provided students with an understanding of modern HR challenges & talent management strategies.

- A Guest Lecture on “Contemporary Retail Practices” was organized in May 2025 for MBA and BBA students. The lecture provided insights into modern retail operations, consumer behavior, and strategic retail management techniques. Students explored innovative approaches to merchandising, customer engagement, and retail analytics in the evolving market landscape.
- A Workshop on Design Thinking was conducted for MBA and BBA students on 27.02.2025 by Prof. K. Balasubramanian. The session focused on innovative problem-solving, creative thinking, and user-centric design strategies. Students actively participated in exercises that encouraged ideation, prototyping, and solution-oriented approaches to real-world business challenges.
- A Career Excellence in Textile & Retail Industry Workshop for MBA students was organized on 20.05.2025 by Shri. Deepak Ravikumar, CEO, Learnlike. The workshop emphasized professional skill development, career planning, and industry readiness. Students gained insights into personal branding, workplace expectations, and strategies for career advancement in the textile and retail sectors.
- A Fabric Scrap Totes Workshop was conducted on 13.03.2025, where students creatively transformed fabric scraps into reusable tote bags. The workshop promoted sustainability, resourcefulness, and hands-on learning while fostering awareness about eco-friendly practices in textile production.
- A Sikki Art & Kalamkari Art Workshop was organized for B.Sc. UG students on 25–26.03.2025. The workshop enhanced artistic skills, traditional craft knowledge, and appreciation for indigenous textile art forms. Students learned practical techniques and explored cultural heritage through creative engagement.
- A Business Model Development Workshop for 1st-year MBA students was conducted on 26.03.2025 by Dr. Chandrasekhar Menon. The session focused on designing and evaluating viable textile business models. Students learned strategic planning, market analysis, and financial assessment techniques to

develop sustainable and innovative business ideas.

- A Machine Learning & Data Visualization using R Programming Workshop was organized on 27.03.2025 for 2nd-year BBA-TBA students by Dr. K. Santhiya. The session covered data analytics, visualization techniques, and their practical applications in textile business analysis. Students gained hands-on experience in using R programming to analyze industry data and make informed business decisions.

## STUDY TOURS

- A study tour to Bengaluru & Mysore was organized for all UG and PG students from 05.01.2025 to 09.01.2025. This comprehensive tour offered students hands-on exposure to leading textile clusters, industrial operations, and cultural landmarks. The experience enabled students to observe real-world textile practices while also broadening their understanding of regional economic and cultural contexts.
- In observance of World Nature Conservation Day, UG and PG students visited the Gass Forest Museum, Coimbatore, on 29.07.2025.


## INDUSTRIAL VISITS

- An industrial visit to Atal Incubation Center, Tirupur was organized for 3rd year UG students on 02.12.2024. The visit provided students with an in-depth understanding of entrepreneurial incubation, startup mentoring, and the overall ecosystem supporting textile-based startups. Students observed how innovative business ideas are nurtured and gained exposure to practical challenges and opportunities in the textile entrepreneurship sector.

- 1st year UG students visited the Central Silk Board, Udumalpet on 04.12.2024, where they gained practical exposure to sericulture and silk production. The visit enabled students to understand the entire silk manufacturing process, from silkworm rearing to cocoon harvesting, and appreciate the techniques used to maintain quality and sustainability in silk production.
- An industrial visit to Sri Venkateshwara Mills, Uthukuli, Tirupur was conducted for 1st year MBA students on 18.12.2024. The students were introduced to modern textile manufacturing operations, including weaving, knitting, and finishing processes. The visit highlighted operational efficiency, production planning, and workflow management in large-scale textile industries.
- 1st year UG students visited Kalpana Cotton Spinning Mills, Somanur on 04.04.2025. During the visit, students observed cotton spinning operations, machinery, and production workflows. They also learned about quality control measures and technological interventions used to optimize yarn production.
- 2nd-year UG students attended an industrial visit to Velona Textiles, Tirupur, on 16.04.2025. The visit provided insights into fabric processing, dyeing, and finishing techniques, helping students understand the practical application of textile manufacturing technologies and quality management in industrial settings.
- 1st-year MBA students visited Punarbhavaa Sustainable Products on 17.04.2025, where they explored eco-friendly textile production practices. The visit emphasized sustainable manufacturing, waste reduction techniques, and the role of innovation in creating environmentally responsible textile products.
- An industrial visit to Veerapandi Common Effluent Treatment Plant, Tiruppur was organized on 23.04.2025. Students observed wastewater treatment processes, environmental management strategies, and compliance with regulatory standards, gaining awareness of sustainable industrial practices in the textile sector.

- Sakthi Ganesh Sizing Industry & Chencoptex Co-operative, Chennimalai, were visited on 24.04.2025. The students learned about sizing operations, cooperative production models, and quality assurance in the preparation of warp yarn, gaining insight into the operational and collaborative aspects of textile manufacturing.
- 2nd-year UG students attended an industrial visit to the Textile Committee, Tirupur, on 09.05.2025. The visit provided practical knowledge on textile testing, quality standards, and laboratory procedures, helping students appreciate the importance of compliance and certification in the textile industry.
- 1st-year MBA students visited Prime Tex Fabrics, Palladam, on 10.06.2025. The visit showcased fabric manufacturing techniques, operational management practices, and workflow optimization, allowing students to correlate theoretical management concepts with real-world textile operations.

## PLACEMENTS

So far, our college has been privileged to host a diverse range of reputed companies, both through online and offline placement drives. Renowned organizations such as

- **PVH Arvind Fashion Pvt. Ltd.**, Bengaluru;
- **TeeJay India**, Vishakapatinam;
- **Mafatlal Industries**, Mumbai;
- **Coding Cult**, Coimbatore;
- **Sharaddha Terry Products**, Mettupalayam;
- **Golden Coir Tufts**, Pollachi;
- **Jay Jay Mills**, Erode;
- **Texcom**, Coimbatore;
- **Sureti IMF**, Coimbatore;
- **Credance Inspection Services**, Tirupur;
- **Learnlike**, Coimbatore;
- **Tru Colors**, Hyderabad;
- **IRA Fashions**, Coimbatore;
- **Mallow International**, Karur;
- **Entool**, Tirupur;
- **Classic Fashion**, Jordan;
- **Synthesis Home Textile**, Karur; and
- **Co-optex**, Thanjavur

have already visited our campus. Their presence has created valuable opportunities for our students to interact with industry experts, demonstrate their talents, and take significant steps toward building successful careers.

We are pleased to share that a number of reputed companies are visiting our college for campus placements, offering students valuable opportunities to embark on their professional journeys. The visiting organizations include

- **LMW**, Coimbatore
- **Sulochana Cotton Spinning Mills**, Count Al (Coimbatore),
- **Bajaj Allianz Insurance**, Asics Retail (Coimbatore),
- **Ramraj Cotton** (Tirupur),
- **Twin Birds** (Tirupur),
- **Shahi Exports** (Bangalore),
- **Network Clothing Company Pvt. Ltd.** (Tirupur),
- **Vandhana Textiles** (West Bengal),
- **MRC Mills** (Cuddalore),
- **ALDAC Clothing** (Tirupur),
- **Hailstorm Innovation** (Kerala),
- **Lakshmi Life Sciences** (Coimbatore),
- **Mantra Design Studio** (Coimbatore),
- **Pallava Groups** (Erode),
- **Unisource** (Tirupur),
- **Young Star Garments** (Coimbatore),
- **Punarbhava Sustainable Products** (Tirupur),
- **Salona Cotspin** (Coimbatore), and
- **OETI** – Institute for Ecology, Technology and Innovation.

Their visit is set to provide students with excellent exposure, industry interaction, and promising career opportunities.

## KUDOS TO THE WINNER!!

- The students of SVPISTM had participated in the Pitch to Prototype Competition "START-A-THON'25" organized by the Department of Management Sciences, PSG College of Arts & Science, Coimbatore, on 26.08.2025. Harish S and Alwin Raj A won second place in the competition.
- At the Convocation 2025, students from Sardar Vallabhbhai Patel International School of Textiles & Management, Coimbatore, were honored as rank holders. The awardees included Sathyaroopa V – MBA (TM) with 8.66 CGPA, Tarunika S – MBA (AM) with 8.60 CGPA, Vaishnavi S – MBA (RM) with 8.89 CGPA, and Mada Sujith Kumar – MBA (TTM) with 7.89 CGPA.

## STARTLING REMINISCENCES

### TEXCITEMENT 2024

- The year commenced with the TEXCITEMENT Walkathon on 30.11.2024 as part of Coimbatore Vizha, promoting health, fitness, and community participation.


## NATIONAL FARMERS' DAY

- On 23.12.2024, students observed National Farmers' Day, a tribute to the invaluable role and contributions of farmers in national development


## SPORTS DAY

- Students showcased their sporting spirit during the Annual Sports Day on 03.01.2025, with Mr. Prithvi Krishnakumar serving as the Chief Guest.

## ESTABLISHMENT DAY

- Institutional milestones were celebrated on 24.12.2024 during Establishment Day, which was graced by the presence of Mr. S. Jagadesh Chandra.


## Pongal Celebration

- Cultural traditions and the essence of the harvest festival were embraced on 04.01.2025 through the vibrant Pongal Celebration, which brought alive the harvest spirit with a colorful kolam, traditional Pongal dish, and lively cultural performances of dance, music, and skits, spreading joy and unity on campus.

## TEX-AURA 2025

- The creative spirit of students was showcased through the Tex-Aura 2025 Fashion Show on 07.02.2025


## ETHIOPIAN DELEGATES' VISITS

- Opportunities for international exposure and cross-cultural learning were facilitated through the Ethiopian Delegates' Visits on 20.02.2025 and 07.04.2025.

## SWACHHATA PAKHWADA

- A strong focus on sustainability was highlighted through various initiatives, including Swachhata Pakhwada (01–15.03.2025), Tree Plantation (03.03.2025), Waste to Wealth Exhibition (05.03.2025), Reduce-Reuse-Recycle Seminar (11.03.2025), and observances of World Recycling Day (18.03.2025) and World Water Day (24.03.2025).


## International Women's Day.

- Awareness on women empowerment and recognition of women's achievements were promoted on 08.03.2025 during the celebration of International Women's Day.

## TEXCELLENCE 2025

- Technical knowledge and innovation were enhanced through Texcellence 2025 – Technical Symposium held on 08.04.2025, where students showcased their skills, explored emerging concepts, and engaged in knowledge-sharing activities.

## VISIT OF HON'BLE MINISTER OF STATE FOR TEXTILES

- Inspiration and motivation were imparted to students during the visit of the Hon'ble Minister of State for Textiles on 30.06.2025.

## RESIDENTIAL TRAINING PROGRAM

- Practical learning was enriched through a Residential Training Programme with the TN State Rural Livelihood Mission, held from 01–03.07.2025.


## MoU

- Industry-academia collaboration was further strengthened through the signing of an MoU with LEAD College of Management, creating avenues for future opportunities.

## TOP TALENT ANSWERS

| ACROSS | DOWN |
|---|---|
| 1. CASHMERE | 2. MUSLIN |
| 7. COTTON | 3. DRAPEABILITY |
| 9. LINEN | 4. FILAMENT |
| 10. ACRYLIC | 5. SINGEING |
| 11. FOAM | 6. OEKO-TEX |
| 13. WOOL | 8. TWILL |
| 15. NYLON | 11. FULLING |
| 17.OLEFIN | 12. SELVAGE |
| 18. DENSITY | 14. SILK |
| 19. KEVLAR | 16. DENIER |

## ANSWERS TO RIDDLES

- WOOL
- COTTON
- ELASTIC
- SILK
- CHECKS / CHECKERED FABRIC
- PU/PVC COATED FABRIC
- REACTIVE DYE
- SUBLIMATION PRINTING (DISPERSE DYE SUBLIMATION)
- DISCHARGE PRINTING
- PIGMENT PRINTING
- THICKENER
- AFTER-TREATMENT / FIXATION AGENT

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**SARDAR VALLABHBHAI PATEL INTERNATIONAL SCHOOL OF TEXTILES AND MANAGEMENT**


# WHO WE ARE

Sardar Vallabhbhai Patel International School of Textiles and Management, Coimbatore is an International Institution providing comprehensive Education, Training, Consultancy and Research in Textile Management. The institute has been set up by the Ministry of Textiles, Government of India.

The Institute currently offers UG & PG programmes which have been framed in line with the growing demand of the industry providing vibrant opportunities to emerge as successful technocrats in the field of Textiles and Management. The institute also offers short term certificate courses through online mode.

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*"Knowledge is of no value unless you put it into practice."*

- ANTON CHEKHOV.