iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 13 **Issue:** XI **Month of publication:** November 2025

DOI: https://doi.org/10.22214/ijraset.2025.75601

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 13 Issue XI Nov 2025- Available at www.ijraset.com

Systemic Vulnerabilities and Resilience Gaps: An Expert Analysis of Challenges Facing Kerala's Traditional Handicraft Industry

Dr Manjula KG[1], Rameesa H2
[1]*Associate Professor, PG Department of Commerce, VTMNSS College, Dhanuvachapuram*
[2]*Research Scholar, Government Arts College, Thycadu*

Abstract: ***Kerala's traditional handicraft industry, a vital custodian of the state's cultural heritage, is currently facing deep systemic and structural challenges. Although it provides livelihoods to nearly 1.7 lakh artisans, the sector suffers from raw material shortages, financial exclusion, and poor institutional coordination. Intense competition from cheap, machine-made products and rising labour costs has weakened the market for authentic crafts. Artisans mostly from socially and economically marginalised communities struggle with irregular incomes, limited access to credit, and declining interest among younger generations. Moreover, fragmented policy implementation and inadequate infrastructure, such as the lack of Common Facility Service Centres, further constrain productivity and quality. Addressing these issues requires integrated strategies that ensure affordable material access, strengthen cooperative-based microfinance, retain skilled human capital through stable incomes, and promote authenticity-led branding and cultural tourism. Such coordinated efforts are essential for revitalising the sector and safeguarding Kerala's traditional craftsmanship for future generations.***
Keywords: Handicraft industry, Kerala artisans, socio-economic vulnerability, policy implementation, sustainable revival

I. INTRODUCTION AND SECTORAL CONTEXT

The handicraft industry in Kerala is not merely an economic activity but a deeply rooted cultural heritage, reflecting centuries of articulate craftsmanship that flourished under historical regimes, including the Chera, Chola, and Pandya dynasties. Following a period of decline during the colonial era, the industry experienced a revival post-independence and today stands as a vital sector employing thousands of artisans. Kerala's unique geographical position and rich biodiversity allow its artisans to utilise a broad spectrum of local materials, resulting in a diverse output across 32 distinct crafts. Key materials include wood, ivory, bamboo, coir, bell metal, brass, coconut shells, and indigenous textiles (Kasavu). Prominent products range from utilitarian items to cultural artefacts, such as the iconic Aranmula Kannadi (metal mirror) and Nettipattam (ornamental caparisons). (*Handicrafts Of Kerala - Explore 8 Famous Crafts Of Kerala*, 2023.)

The sector's scale is substantial: it provides livelihoods to an estimated 1.7 lakh (170,000) active artisans in the state. Nationally, the handicraft and handloom sector ranks as one of the largest employment generators after agriculture. To support this traditional industry, the state relies on major promotional and cooperative agencies, including the Kerala State Handicrafts Apex Co-operative Society (SURABHI), the Handicrafts Development Corporation (HDCK), and the Kerala Artisans Development Corporation (KADCO). (*Handicraft - Directorate of Industries and Commerce*, n.d.)

A. The Artisan Demographic and Socio-Economic Vulnerability

A vast majority of traditional artisans belong to socially and economically backward classes. This structural reality dictates that the industry's economic performance is intrinsically linked to broader social welfare and poverty alleviation goals. The high concentration of artisans from vulnerable communities means that commercial challenges are immediately translated into social crises, such as poverty and distress migration. This places a demanding, dual mandate on state agencies: they must not only drive commercial profitability and export growth but also function as essential mechanisms for social protection and employment stability. Pursuing aggressive modernisation or scale-up strategies solely focused on export profit might inadvertently displace small, non-competitive artisans, potentially contradicting the state's fundamental social mandate. Any effective policy must, therefore, ensure that modernisation efforts, such as providing subsidised access to Common Facility Service Centres (CFSCs), are inclusively designed (Thara et al., 2025)

©IJRASET: All Rights are Reserved

Table 1: Key Socio-Economic Characteristics of Kerala's Handicraft Sector

Metric/Component	Details/Context
Estimated Artisan Population	Approximately 1.7 lakh (170,000) individuals are actively engaged.
Major Craft Types	32 different crafts, including bell metal, wood/horn carving, coir, and bamboo.
Socio-Economic Profile	The vast majority belong to socially and economically backward classes.
Employment Structure	Predominantly informal; high representation of women, especially in coir (80%).

II. OVERVIEW OF KEY CHALLENGES FACING KERALA'S HANDICRAFT SECTOR

The handicraft industry in Kerala, long celebrated for its artistic heritage and cultural significance, is today facing a series of complex structural and economic challenges. From market disruptions and raw material shortages to declining human capital and ineffective institutional support, the sector struggles to maintain its traditional vitality in a rapidly modernising economy. These interlinked problems have weakened production systems, eroded artisan livelihoods, and undermined the competitiveness of Kerala's craft products. A detailed analysis of these challenges reveals the urgent need for coordinated interventions in market access, resource management, workforce retention, and financial policy implementation.

A. Market Disruption and Competitive Pressures

The Kerala handicraft industry is undergoing severe market disruption due to the growing dominance of mass production, shifting consumer preferences, and increasing export challenges. Once sustained by cultural heritage and craftsmanship, the sector now struggles to compete with cheaper, machine-made goods and changing market dynamics. These pressures have weakened both domestic and international demand, threatening the livelihoods of traditional artisans and the sustainability of Kerala's craft ecosystem.

1) The Challenge of Price Wars and Mass Production: Large-scale, machine-based manufacturers have flooded the market with low-cost substitutes, making it difficult for traditional artisans to compete. High production costs and rising labour expenses, particularly in sectors like coir, have made authentic Kerala products less affordable. Even tourism-based craft sales are affected, as handmade items are replaced by cheaper, mass-produced ones. (Nair & Dev, 2025; Sangtani, 2025)

2) Changing Consumer Preferences and Design Gaps: Modern consumers increasingly prefer contemporary designs and materials, while artisans lack access to design training, innovation, and marketing resources. The absence of effective credit systems and promotional strategies prevents them from adapting to market trends. Consequently, handmade goods are perceived as costly rather than unique, leading to declining sales. However, the success of GI-tagged products like *Aranmula Kannadi* shows that quality assurance and branding can restore premium value (Athulya & Ramya, 2019; Shaikh, 2020).

3) Export Volatility and Logistics Constraints: The export sector faces major instability due to global trade barriers, such as tariffs and economic fluctuations, which reduce demand for Kerala's traditional goods. Although e-commerce offers new opportunities, artisans encounter significant logistical issues and digital skill shortages. Limited access to online marketing, shipping networks, and formal documentation systems like GST further restrict their global competitiveness, leaving the industry vulnerable to external shocks and internal inefficiencies. ("Kerala's Traditional Exports Hit as New US Tariffs Trigger Economic Strain," 2025)

Table 2: Categorisation of Primary Challenges by Value Chain Stage

Value Chain Stage	Challenge Category	Specific Constraint Identified
Input/Sourcing	Raw Material Security	Scarcity, high cost, and regulatory hurdles (forest laws) for traditional materials (wood, bamboo).
Production/Operations	Technological/Quality Gap	Lack of common facility centres for machinery, quality testing, and modernisation. Inefficiencies and low investment in units.

©IJRASET: All Rights are Reserved | SJ Impact Factor 7.538 | ISRA Journal Impact Factor 7.894 |

Human Capital	Skill Erosion/Succession	Declining interest from youth; migration of skilled artisans to urban centres for stability.
Finance/Credit	Capital Access	Systemic challenge of limited access to institutional credit and working capital.
Market/Sales	Competitive Pressure	Intense competition from cheap, machine-made goods and modern design preferences.
Market/Export	Logistics & Trade	High transportation costs; significant exposure to volatile international tariffs and trade barriers.

Source: (Nair & Dev, 2025)(Thara et al., 2025)

B. Supply Chain Fracture and Raw Material Security

The sustainability of Kerala's handicraft industry is heavily dependent on the availability and affordability of natural raw materials. However, the supply chain has become increasingly fragile due to resource scarcity, high production costs, and restrictive regulations. These challenges not only disrupt production continuity but also compromise product quality and competitiveness in both domestic and international markets.

1) Resource Scarcity, Volatility, and Cost: Artisans face serious raw material shortages, particularly in essential resources like wood and bamboo. Rising costs, deforestation concerns, and the shift toward sustainable sourcing have created major obstacles for small-scale producers who already operate with limited capital. The multi-stage production processes, such as in coir manufacturing, are highly time-consuming and cost-sensitive, meaning that even minor cost increases in labour or materials can significantly affect the final price and production flow. (*How Bamboo and Wooden Handicrafts Contribute to a Greener Planet*, 2025; Thara et al., 2025)

2) Institutional and Regulatory Impediments: Strict forest regulations, lack of transparent supply systems, and corruption in enforcement have made legal raw material sourcing expensive and complex. Small artisans, unable to afford certified materials, are often pushed into informal channels, increasing their vulnerability. The absence of government-managed, subsidised timber depots has deepened this crisis. Moreover, small handicraft units lack the machinery and infrastructure needed for modern production and quality testing, making it difficult to maintain consistent standards. Together, these institutional and resource-related barriers weaken the entire supply chain and threaten the long-term survival of Kerala's handicraft sector. (*How Bamboo and Wooden Handicrafts Contribute to a Greener Planet*, 2025)

C. Human Capital and Socio-Economic Marginalisation

Kerala's handicraft sector faces an acute human capital crisis that threatens its very continuity. Traditional artisans, once the custodians of centuries-old skills, are increasingly abandoning their crafts due to poor wages, unstable incomes, and the absence of institutional support. The weakening of skill transmission, coupled with widespread economic vulnerability, is leading to both cultural and occupational erosion within the artisanal community.

1) The Crisis of Skill Succession and Migration: A major challenge is the decline in intergenerational skill transfer. Younger generations are turning away from traditional crafts such as coir weaving and metalwork due to limited income prospects and a lack of social recognition. Many artisans migrate to urban centres seeking secure, better-paying jobs, resulting in a severe loss of traditional knowledge. Although initiatives like the *Guru Shishya Hastshilp Prashikshan Program (GSHPP)* aim to preserve these skills, the financial incentives remain too low to retain artisans or attract new trainees. Without stronger income support and recognition, Kerala risks losing its artisanal identity permanently. (*Are India's Handicrafts Dying?*,)

2) Economic Vulnerability and Enabling Infrastructure: Artisans working in informal setups face constant income instability, often earning below minimum wages. This economic precarity makes them highly vulnerable to exploitation and market fluctuations. The lack of Common Facility Service Centres (CFSCs), which could provide shared access to essential tools, machinery, and quality-testing infrastructure, further limits productivity and product standardisation. Instead of focusing solely on short-term training or toolkit distribution, policy efforts should aim to integrate artisans into formal cooperative frameworks that ensure steady wages, social protection, and skill retention. Streamlined welfare delivery and easier access to government schemes are also vital to prevent exclusion of the most marginalised craft workers.

D. Institutional and Financial Policy Gaps

Despite its cultural and economic importance, the Kerala handicraft sector continues to suffer from deep institutional and financial weaknesses. These include poor access to affordable credit, inefficient implementation of government schemes, and weak coordination between financial institutions, cooperatives, and artisans. The absence of cohesive policy alignment and credible data further prevents targeted interventions, leaving artisans vulnerable to economic instability and exploitation.

1) Deficiencies in Financial Access: A major barrier to the sector's growth is the lack of consistent, accessible, and low-interest financial support. Although government schemes such as ASHA offer initial setup grants or one-time assistance, they fail to provide sustained working capital essential for day-to-day operations and material procurement. The informal nature of most artisan enterprises, combined with limited financial literacy, makes it difficult for them to meet collateral or documentation requirements. Partnering with cooperative institutions like SURABHI and KADCO could help bridge this gap by enabling collateral-free microcredit distribution and ensuring that funds reach artisans effectively.

2) Implementation Deficiencies and Policy Alignment: Many government programs suffer from poor execution and misalignment with ground realities due to a lack of accurate data and monitoring. The absence of regular surveys or artisan censuses results in policies that are often outdated or ineffective. To improve outcomes, the state must integrate handicraft development with the tourism sector linking craft clusters with cultural tourism circuits. Such an approach can provide artisans with direct market exposure, reduce dependence on middlemen, and promote sustainable income generation. Creating dedicated artisan hubs, organising state-sponsored craft fairs, and improving institutional coordination would help align financial policy with the real needs of the artisan community.

Table 3: Institutional Support Mechanisms and Implementation Gaps

Agency/Mechanism	Objective/Mandate	Identified Implementation Challenge
SURABHI, KADCO, HDCK	Development, promotion, and marketing of handicrafts.	Ineffective scheme implementation and a critical "disconnect" between providers and beneficiaries.
ASHA Scheme (State)	One-time financial assistance for enterprise setup.	Does not address the ongoing need for working capital; credit access remains severely limited.
GSHPP (Central/State)	Transfer of traditional craft knowledge (Guru-Shishya model).	Insufficient retention power (low compensation/instability); fails to compete with alternative employment.
CFSCs	Centralised machinery access, quality testing, and finishing.	Lack of adequate centres remains a major problem, hindering quality uniformity and competitive scale.

III. CONCLUSION AND FORWARD STRATEGY

The Kerala handicraft industry is currently operating within a precarious environment defined by five intersecting systemic failures: intense market pressure from cheap mass-produced goods and dynamic shifts in consumer design preference; chronic instability and high costs in the raw material supply chain; a critical failure in human capital retention leading to irreversible knowledge loss; persistent financial marginalization due to limited institutional credit access; and a pervasive gap between stated policy intent and effective scheme implementation. The reliance of the sector on socially and economically vulnerable groups necessitates that solutions move beyond passive welfare schemes toward active, integrated value-chain management and social stabilisation.

A. Strategic Imperatives For Resilience

1) Guaranteeing Material Integrity and Price Stability: The government must establish and manage certified raw material depots, particularly for wood and bamboo, ensuring a legal, affordable, and steady supply of materials. This measure would simultaneously stabilise input costs, enhance ethical sourcing credentials, and mitigate operational risks for artisans.

2) Securing Human Capital through Financial Stabilisation: Policy focus must shift to human retention. The government should introduce strong financial incentives, potentially above statutory minimum wages, tied to participation in skill transfer programs (GSHPP). Integrating artisans into formal cooperative structures with guaranteed minimum income floors is essential to overcome income instability and halt the migration of skilled youth.

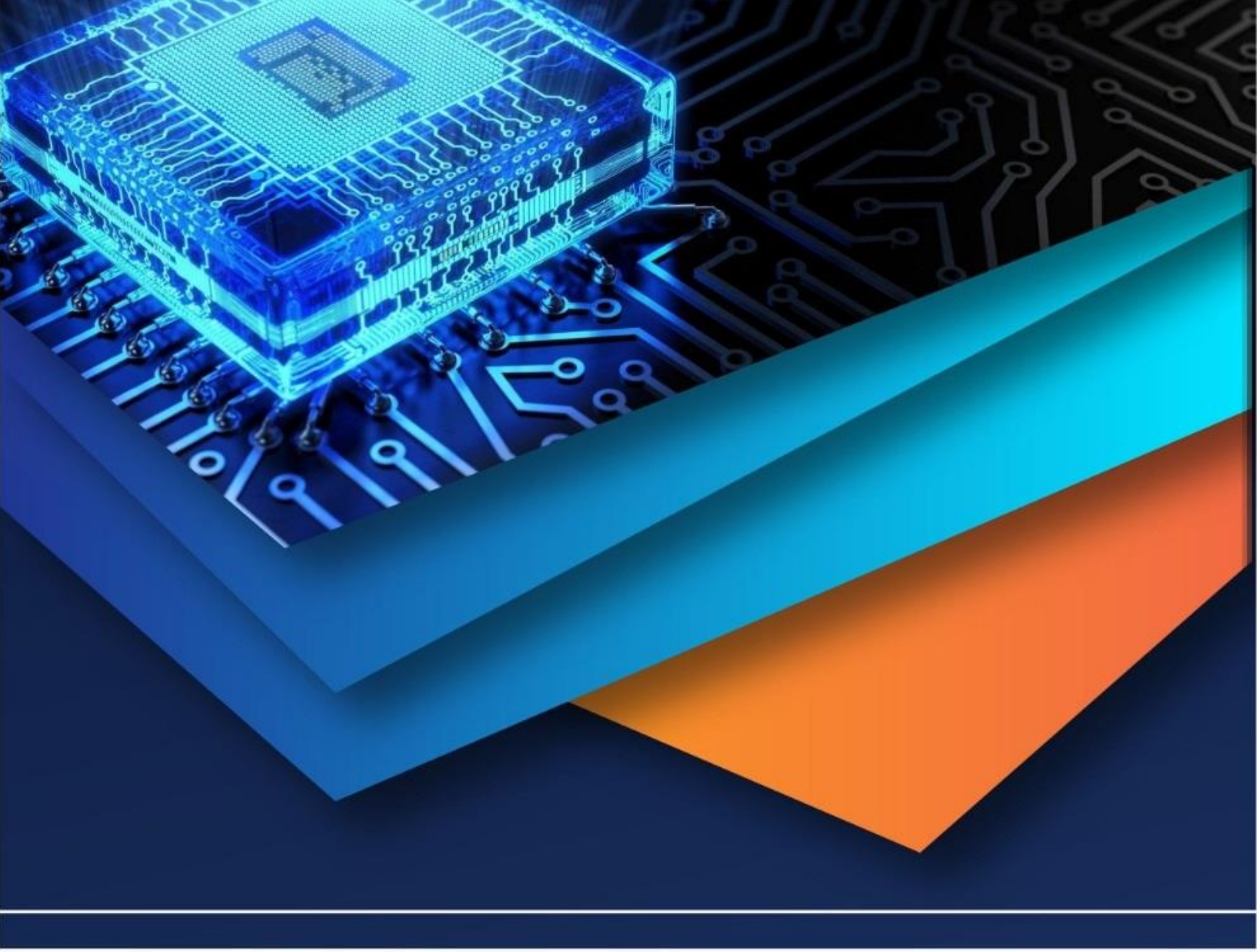
3) Commanding Premium Value through Authenticity: The sector must aggressively brand and promote its unique products. Leveraging Geographical Indications (GI), as demonstrated by Aranmula Kannadi and establishing dedicated digital marketing strategies can justify premium pricing. This effort should be synergistically linked with high-value cultural tourism to connect artisans directly with discerning consumers, circumventing middleman exploitation and reinforcing the value proposition of genuine Kerala craftsmanship.

4) Strengthening Financial and Operational Infrastructure: Immediate investment is required for establishing modern and accessible Common Facility Service Centres (CFSCs) in core clusters. Concurrently, micro-credit access must be streamlined through cooperative intermediaries, eliminating bureaucratic barriers and ensuring low-interest working capital reaches the most informal segment of the artisan population.

REFERENCES

[1] Handicrafts Of Kerala - Explore 8 Famous Crafts Of Kerala. https://sajosamaan.com/handicrafts-of-kerala/
[2] Are India's Handicrafts Dying? (n.d.). Kalanivas.https://kalanivas.com/blogs/news/are-indias-handicrafts-dying-here-s-what-we-re-losing
[3] Athulya, V., & Ramya, M. (2019). Consumer Preference and Satisfaction Towards Handicraft Products With Special Reference To Kozhikode District, Kerala. Journal of Emerging Technologies and Innovative Research, 6(6), 732.
[4] Handicraft - Directorate of Industries and Commerce. (n.d.). https://industry.kerala.gov.in/index.php/handicraft
[5] How Bamboo and Wooden Handicrafts Contribute to a Greener Planet. (2025). Yazati. https://blog.yazati.com/how-bamboo-and-wooden-handicrafts-contribute-to-a-greener-planet/
[6] Kerala's traditional exports hit as new US tariffs trigger economic strain. (2025). Economic Times. https://government.economictimes.indiatimes.com/news/economy/keralas-traditional-exports-hit-as-new-us-tariffs-trigger-economic-strain/123918032
[7] Nair, A., & Dev, N. (2025). Role Of Kadco In Empowering Traditional Artisans In Kerala. International Journal of Creative Research Thought, 13(July).
[8] Sangtani, H. (2025). Eco-friendly by tradition: Sustainable practices in Indian handicrafts. https://www.natriel.com/blogs/news/eco-friendly-by-tradition-sustainable-practices-in-indian-handicrafts
[9] Shaikh, S. M. (2020). A Study on Market Opportunities & Consumer Buying Behaviour towards Indian Handicraft Products. Global Journal of Human Social Sciences. https://socialscienceresearch.org/index.php/GJHSS/article/view/3410/4-A-Study-on-Market-Opportunities_JATS_NLM_xml
[10] Thara, K., Kumar, S., Sarath, S., & Syam, S. (2025). Wooden handicraft clusters/industries of the southernmost part of Kerala- Products, problems, and possible solutions. July.

©IJRASET: All Rights are Reserved | SJ Impact Factor 7.538 | ISRA Journal Impact Factor 7.894 |



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)