KNOWLEDGE **PAPERS**

Series 4/2024



FICCI PwC Report on: The role of crop-protection industry in driving sustainability in the agriculture sector

The report highlights the pivotal role of India's crop protection industry in advancing sustainable agriculture, ensuring food security, and supporting smallholder farmers—the backbone of the nation's agricultural economy. As the 4th largest global producer, India's crop protection sector contributes significantly to economic growth and exports while addressing challenges like climate change, resource constraints, and productivity gaps. The report explores industry-led sustainability initiatives, including precision farming, integrated pest management, and the development of eco-friendly solutions such as biopesticides and agri-biologicals. It emphasizes the need for collaborative efforts among the government, private sector, and farmers to promote responsible usage, innovation, and regulatory support, fostering a modern, resilient, and environmentally conscious agricultural landscape. Through targeted interventions and policy alignment, India can position itself as a global leader in sustainable crop protection, driving the vision of Viksit Bharat and long-term food security.

https://www.ficci.in/study_details/24009



Spurring growth in FMCG, retail and e-commerce sectors in India

The report highlights the rapid evolution of India's consumer landscape, driven by digital transformation, shifting consumption patterns, and government initiatives aimed at boosting economic growth. India's e-commerce sector is expanding swiftly into Tier 2 and 3 cities, fueled by rising disposable incomes, increasing internet penetration, and the growing demand for quick commerce and hyper-personalised experiences. Businesses are leveraging GenAI, subscription models, and eco-friendly initiatives to cater to evolving consumer preferences. The retail and FMCG sectors are witnessing premiumisation, direct distribution expansion in rural markets, and innovation-led product development. As social media and influencers gain traction, companies are focusing on personalised engagement and data-driven marketing strategies. The government's proactive budget initiatives, including tax relief, credit access, and rural development programs, are expected to stimulate consumer spending and business growth. With easing inflation and stabilising monetary policies, the outlook for India's consumer markets remains optimistic. Companies must embrace omnichannel strategies, enhance supply chain efficiencies, and navigate regulatory shifts to stay ahead. By leveraging market opportunities, fostering innovation, and maintaining a customer-centric approach, businesses can position themselves for sustained growth in this dynamic environment.

https://www.ficci.in/study_details/24030



FICCI Compendium of Research Work/ Technologies for Commercialization

FICCI Compendium of Research Work/ Technologies for Commercialisation stands as a testament to the robust research ecosystem in India, featuring over 50 research works and technologies from esteemed academic institutions across the nation. These cutting-edge advancements span a wide range of critical domains, including Clean Energy, Environment & Climate Change, Electronics & White Goods Manufacturing, Drones, Defence & Homeland Security, Hydrocarbons, Sustainable Urban Development, E-Mobility, and others.

This compendium serves as a valuable resource for industry leaders, investors, and researchers alike. It provides a platform for researchers to showcase their pioneering work and for industry partners to identify potential solutions to their technological challenges.

The demonstration at the Summit and the evaluation by Jury further fortify this bridge by offering valuable feedback and facilitating potential collaborations.

https://www.ficci.in/study_details/24021



Empowering process plant machinery, pumps & valves industry in India

This report provides an overview of India's strong focus on manufacturing and capital goods, highlighting the country's robust and growing process plant equipment sector.

It underscores the ecosystem interventions required to drive growth in this area. Additionally, the report emphasizes the importance of proper maintenance practices to ensure operational efficiency and minimize downtime in process plants, which is critical for sustaining long-term productivity and competitiveness in the sector.

https://www.ficci.in/study_details/24019



FICCI - EY Report on Research Ecosystem within Indian higher-education sector: strategic pillars of reform across academic and industry research

The report offers a comprehensive analysis of research in HEIs in India, highlighting its significance for both HEIs and the country. It emphasizes how strengthening research infrastructure can help India achieve Vision 2047 and the SDGs.

The document further gives a detailed overview of the current scenario in the Indian HEI and points out challenges faced by the research ecosystem. The report categorizes research into academic, industry, and industry-academia models based on who is conducting it, how it is funded and the purpose of the research.

It analyzes each model's current state, global comparisons, trends, challenges and research demand, along with relevant government policies.

https://www.ficci.in/study_details/24013



Catalyzing India's chemicals and petrochemicals: strategies for global integration and growth

This report reflects the immense growth potential and strategic advantages of India's CPC industry. The government's proactive initiatives to improve the Ease of Doing Business (EoDB) are creating a more favorable investment environment, further accelerating growth in this vital sector.

https://www.ficci.in/study_details/24018



FICCI KPMG Report on Financing Higher Education Ecosystem in India

This report evaluates alternative financing solutions amid the evolving landscape of educational funding. It particularly delves into potential financing options that emerged from the stakeholder conference 'Creating Synergies for Seamless Credit Flow and Economic Growth' conducted by Department of Financial Services in 2021 and provides recommendations for the way forward.

https://www.ficci.in/study_details/24014



Operationalizing Article 6 Mechanisms under the Paris Agreement

The Paris Agreement's Article 6 provides the framework for global carbon markets, enabling countries to cooperate to achieve their Nationally Determined Contributions (NDCs) while laying the foundation for netzero emissions in the future.

While developing and least-developed countries are expected to make their best efforts to meet their NDC targets, the journey beyond NDCs, toward net-zero emissions, will be significantly assisted by Article 6 mechanisms through which developed countries will meet their NDCs or increased Ambition.

The slow operationalization of Article 6 threatens to derail the progress made under the Paris Agreement. Delays in setting up market mechanisms and finalizing bilateral agreements are preventing developing countries from accessing the finance and technology they need to build a lowcarbon future.

For India, immediate action is required to secure the $100 billion in investments needed for its 14 eligible Article 6 measures, which are critical to achieving its net-zero and energy independence goals.

The Government of India must push for the rapid operationalization of Article 6 at COP29 and beyond, advocating for the use of ITMOs as a tool for both developed and developing nations to increase their climate ambition. Only through coordinated global action can the full potential of Article 6 be realized, restoring trust in the carbon market and driving forward the global transition to net-zero emissions.

https://www.ficci.in/study_details/24026



Cultural Continuum: Mapping India's Culture & Creative Sectors

This report aims to summarise the key insights and recommendations from the day-long symposium, focusing on India's culture and creative sectors. Each chapter highlights the main takeaways from individual sessions. The final chapter provides a concise overview of the broader issues discussed during the symposium, offering readers a clear understanding of the key themes and conclusions.

https://www.ficci.in/study_details/24038



FICCI- SIBF Rights Catalogue 2024

FICCI Rights catalogue on Indian writing was launched during the Sharjah Publishers Conference on November 03, 2024 at Sharjah, UAE. The catalogue was distributed to all the Rights Managers, publishers, wholesalers and booksellers present at the Book Fair. FICCI – SIBF Rights Catalogue of Indian Writing included titles from the following genres:

1. Fiction
2. Non-Fiction
3. Children / Young Adult Writings
4. Regional Indian Languages
5. Others

https://www.ficci.in/study_details/24025



FICCI Paper- Advancing Primary Healthcare through Ayushman Arogya Mandir (AAM)

Over the years, India has introduced several policies aimed at strengthening primary healthcare, recognizing it as the cornerstone for Universal Healthcare. One of the most notable of them being the Ayushman Bharat Health and Wellness Centres (now called Ayushman Arogya Mandir). These policies have focused on improving access to essential health services, enhancing the quality of care, and ensuring affordability for all, particularly in rural and underserved areas. However, despite these progressive policies, the journey from policy to practice or proper implementation has been fraught with challenges. Issues such as inadequate infrastructure, shortage of trained healthcare professionals, timely availability of funds, delays in procurement, etc. have often impeded the realization of these policy goals. FICCI, under its Swasth Bharat (Public Health) Task Force, in collaboration with NATHEALTH and OMAG, has endeavored to partner with State Governments and work with select HWCs at the grassroots level to develop them into demonstration models of 'Smart HWCs'. As a part of these collaborations, preliminary assessments were carried out in all the partner HWCs to understand the existing gaps in functioning of the HWCs and identify priority areas for industry intervention. This report, supported by Bain & Co., is an effort to bring out the learnings from the States of Uttarakhand and UP, that can be replicated and scaled-up, by other States for making all HWCs or AAMs fully functional through private sector collaboration.

https://www.ficci.in/study_details/24036



FICCI-Symbiosis White Paper on 'Synergizing Healthcare Proficiencies through Interdisciplinary Education'

As India's healthcare industry, we stand at a critical juncture where the traditional paradigms of medical education no longer suffice to meet our nation's burgeoning healthcare needs. Our current medical education system, while built on strong foundations, was designed for a different era. Today's healthcare landscape demands professionals who are not only clinically competent but also digitally fluent, adaptable, and capable of providing comprehensive, patient-centered care. This White Paper has been developed by the Faculty of Symbiosis International University with inputs from FICCI members and it brings into focus several critical areas that need urgent attention within healthcare academia. This paper brings into focus several critical areas that need urgent attention within healthcare academia. It emphasizes the need to address skills gaps across various healthcare professions, including public health professionals, biological sciences, and sports sciences, highlighting the enhancement of core competencies such as team management, emergency response and the integration of technologies including digital health technologies.

https://www.ficci.in/study_details/24035



FICCI-BDO Paper on 'Expanding the Reach of Diagnostics: The Digital Advantage'

FICCI and BDO India released a paper at FICCI HEAL 2024 titled "Expanding the Reach of Diagnostics: The Digital Advantage," which examines the current landscape of India's diagnostic industry and highlights the role of technology in shaping its future. The paper outlines emerging trends, challenges, and key recommendations for the industry and government to accelerate the adoption of digital innovations. It emphasizes the need for comprehensive regulatory reforms to modernize outdated policies, establish a robust IT infrastructure for seamless connectivity, and foster skill development through specialized training in diagnostic technologies. The paper also advocates for stronger public-private partnerships to drive large-scale adoption of technological advancements and calls for dedicated frameworks to ensure secure data sharing and interoperability. Additionally, it highlights the importance of supporting research and development through innovation hubs, financial incentives, and streamlined approval processes. Addressing public concerns about digital health ecosystems, the paper stresses the need for awareness campaigns and transparent consent mechanisms to build trust. It recognizes the Ayushman Bharat Digital Mission (ABDM) as a cornerstone for creating a unified digital health ecosystem, with initiatives like Ayushman Bharat Health Account (ABHA) IDs playing a crucial role in enhancing data security, accessibility, and affordability, contributing to Universal Health Coverage in India.

https://www.ficci.in/study_details/24032



FICCI-KPMG Paper on 'The Future of PG Medical Education in India: the 2047 Roadmap'

With the largest network of medical institutions globally, India has made commendable strides in training healthcare professionals. However, ongoing gaps- amplified by the COVID-19 pandemic- highlight the urgent need for systemic reforms. Issues such as disparities in the availability of postgraduate seats, regulatory challenges, and an acute shortage of specialized medical professionals remain critical roadblocks. Addressing these concerns requires a cohesive and progressive approach from central and state governance structures, regulatory bodies, and healthcare institutions.

This knowledge paper titled, "The Future of Post Graduate Medical Education in India: The 2047 Roadmap," presents a significant step in charting a sustainable future for India's medical education. It has been crafted to provide a comprehensive assessment of the current landscape of postgraduate medical education and offer a roadmap to transform India's healthcare workforce by 2047. Through in-depth analyses, this paper highlights strategic areas such as the integration of technology, regulatory improvements, and innovations in medical education infrastructure. Case studies from leaders in healthcare education underscore the potential for India to emerge as a center of medical expertise, not only catering to domestic needs but also positioning itself as a global talent hub.

https://www.ficci.in/study_details/24034



FICCI-EY compendium of recommendations on 'Road Map for Making Cancer Care Affordable and Accessible in India'

FICCI-EY Parthenon recently launched a compendium of recommendations titled 'Road map for making Cancer care affordable and accessible in India'. The paper is a culmination of recommendations gathered from five regional roundtables organized over a year till September 2024, under the aegis of the Ministry of Health & Family Welfare, Govt of India. Among these, there is a strong recommendation for the Government of India to roll out a Comprehensive National Cancer Care Policy/Program with a dedicated funding outlay for the top six high-burden cancers.

The compendium highlights that India faces a sizeable cancer incidence burden. As per estimates India's reported cancer incidence in 2022 was at 19 to 20 lakhs, whereas the real incidence was 1.5 to 3 times higher than the reported cases. The growth rate for cancer incidence is expected to further intensify over the next five to six years with new cases estimated to reach less than 45 lakh. The cancer care infrastructure is not equally distributed among rural and urban areas, leading to a huge burden on tertiary care centres. Further, treatment cost for cancer care is financially prohibitive i.e. almost 3x that of other non-communicable diseases (NCD) and continues to increase. Despite this, India's participation in global clinical trials is currently 4%, with 20% of the global disease burden.

https://www.ficci.in/study_details/24033



FICCI - KPMG Global Skills Mobility Report 2024

The global talent shortage is accelerating at an unprecedented rate, with a projected shortage of over 85 million skilled workers by 20302, driven largely by demographic shifts, technological advancements, and economic restructuring in many regions. India, with its abundant young and skilled workforce, has the potential to fill significant portions of these labor gaps, especially in highdemand areas, such as healthcare, technology, engineering, and green energy.

This report explores India's expanding role in the global workforce across critical migration corridors, particularly to the Gulf Cooperation Council (GCC) countries, Europe including the United Kingdom, and Australia. It outlines emerging skill requirements, sector-specific demands, and the key government and industry initiatives shaping India's labor migration landscape.

https://www.ficci.in/study_details/24044



Future-Proofing Growth: Accelerating Adoption of the Circular Economy A Compendium of Circular Business Models

The Compendium of Circular Business Models underscores RECEIC's dedication to fostering a resilient and sustainable future through resource efficiency and regenerative design. Featuring 34 in-depth case studies, this compendium highlights innovative practices from various industries, including manufacturing, electronics, and packaging, as they embrace circular economy principles. These case studies illustrate how companies are thriving by adopting circular models, demonstrating that such a transition is not only necessary but also feasible and beneficial. The document, titled "Future-Proofing Growth: Accelerating Adoption of the Circular Economy," serves as a comprehensive resource showcasing groundbreaking examples of circular practices and resource efficiency. It aims to inspire companies worldwide to integrate and scale circular economy practices, proving that aligning profitability with environmental responsibility is crucial for addressing global sustainability challenges. Each case study exemplifies the potential for industries to achieve both economic growth and environmental stewardship by adopting circular business models

https://www.ficci.in/study_details/24045

INDUSTRY'S VOICE FOR POLICY CHANGE

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