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Technological Solutions and Corporate Sustainability in India's Social Environment

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***Abstract*— With rising business opportunities and rising scale of business, more work is on the scalability of business output work of business work where the leadership of top management plays a vital role in the overall development of economic activity for CSR functioning in the further and easy scope of development. This tool is more important for sustainable CSR study and for any top management leadership to study where the study is aligned to the technology base model and a draft of technology base model integration. CSR tech companies can be more technologically oriented which will help to develop the activities of equal distribution work which leads to the development of work. (Sethi, S. P., Rovenpor, J. L., & Demir, M. (2017))**

In the twenty-first century, technology is a key component of corporate strategy rather than just an operational support tool. Corporate leadership in technology now includes visionary leadership in navigating complicated technological landscapes, streamlining processes, and propelling digital transformation, going beyond the typical managerial duties. As businesses use digital platforms, automation, data analytics, and artificial intelligence (AI) more and more, good technology leadership becomes essential to generating new efficiencies, boosting competitiveness, and guaranteeing long-term viability.

The work has been more of the technological base where new business evolved and more technology-centric is the pillar for organization boost and growth. Its pillars are more efficient in the organization development for carrying out specified parameters such as collaboration form and monitoring CSR performance more efficiently on one one-click model. It gives the insight of business model and tool efficiency work where the organization's key elements are the integration of technology in which various diversified CSR interlinked to one based link model.

Case study analysis-1 - Corporate social responsibility activities and research analysis-

Potocan, V. (2021). *Technology and Corporate Social Responsibility*. *Sustainability*, *13*(15), 8658. https://doi.org/10.3390/su13158658

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Role and importance of technology usage in business for sustainable activity.

Business efficiency targets and business development for business growth and business activity for overall development for the measurement of level of output which is key for overall with technology usage becomes vital role for overall development for business gain and business output for overall competitive usage and a direct reflection.

Learning outcomes and business social development indicators factors-

Business Efficiency and Sustainability: Businesses can save money and be more sustainable by using technology to increase operational efficiency and lessen their environmental impact. As examples of how businesses can use technology in their CSR strategy, the paper addresses particular technologies such as sustainable supply chain management, green IT, and renewable energy technologies.

Analysis Factor development-

Corporate development with technological integration development

Adopting and executing technology solutions for corporate social responsibility requires strong corporate leadership. The article looks at how leadership techniques might support technological innovation and a sustainable culture. It talks about how CSR managers and leaders may encourage technology adoption in businesses to further societal and commercial objectives.

Case study-2 For Technological and sustainable outcomes-

A systematic literature review on corporate sustainability: contributions, barriers, innovations and future possibilities

Source of study-

De Oliveira, U.R., Menezes, R.P. & Fernandes, V.A. A systematic literature review on corporate sustainability: contributions, barriers, innovations, and future possibilities. *Environ Dev Sustain* **26**, 3045–3079 (2024).

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Purpose of Sustainability for practicing business activity for technological business development-

This SLR's (Systematic Literature review) goal is to examine the corpus of research on business sustainability by determining:

Contributions -How stakeholders are more character-engaged and corporate success are impacted by sustainable measures.

Obstacles-: The difficulties businesses encounter while incorporating sustainability into their daily operations.

Innovations-: New business models, processes, and technology that are improving corporate sustainability.

Future Prospects-: Research topics and developments that will influence business sustainability.

The outcome of literature development of the business development character-

Corporate Performance and Profitability- According to a substantial amount of research, adopting sustainable practices can enhance financial performance. Strong sustainability practices can lower costs, draw in investment, and generate long-term value, according to studies like those by Eccles et al. (2014) and Friede et al. (2015).

Long-Term Value Creation for Technology Understanding and measurement Development: - Businesses that make sustainability investments frequently benefit from improved market reputation and increased resilience during recessions. One of the main factors influencing competitive advantage is thought to be corporate sustainability.

Technology for further development for business growth and business output-

Prospects for Corporate Sustainability in the Future Including Sustainability in Fundamental Business Models:

Companies will probably transition from sustainability as a side project to core business operations in the future of corporate sustainability. Future studies could examine the growing integration of sustainability into financial performance, innovation, and corporate strategy.

Key analysis for metrics-Research gap analysis and findings.

Sustainability Metrics and Reporting:

Programs like the **Sustainable Development Goals (SDGs)** and **the Global Reporting Initiative (GRI)** are promoting more transparent and standardized sustainability reporting. The creation of more reliable and well-recognized sustainability measures may be a trend of the future.

Conclusion of Technological Sustainability of Business Development-

Green Technologies: Developments in energy-efficient technologies, sustainable product design, and renewable energy (such as solar, wind, and geothermal) are revolutionizing how companies run.

Circular Economy: In sectors like electronics, fashion, and automotive, the application of technology to the implementation of a circular economy model—where materials are recycled, refurbished, or reused—is becoming more and more popular.

Case study-3

The impact of corporate social responsibility in technological innovation on sustainable competitive performance. -

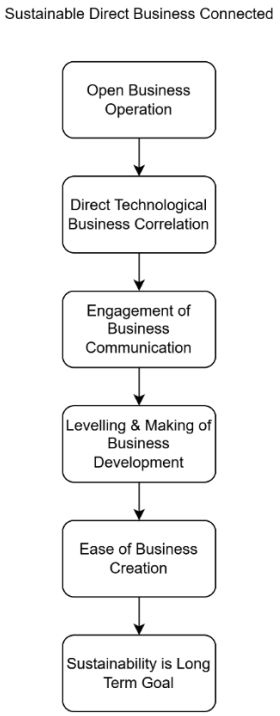
Weiwei Wu, Jian Shi & Yexin Liu

Wu, W., Shi, J. & Liu, Y. The impact of corporate social responsibility in technological innovation on sustainable competitive performance. *Humanity Soc Sci Commun* **11**, 707 (2024). https://doi.org/10.1057/s41599-024-03193-0

Output of the business practices and business development implications of development-

Research finding and research gap outcomes.

Integration of Business Strategy and CSR-Businesses looking to gain a long-term competitive edge should view corporate social responsibility (CSR) as an essential component of their overall business plan rather than as a stand-alone endeavour. Long-term growth and profitability can be achieved by combining technology innovation with corporate social responsibility. Businesses can stand out in the marketplace by concentrating on creating technologies that are socially and ecologically responsible.



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Using Innovation to Stand Out in the Competition-

Businesses that make investments in CSR-driven innovation are more likely to be seen as leaders in their fields. Both social and green innovation can give a business a competitive edge that benefits the environment and society as a whole.

Regulation and Policy-As sustainability becomes more and more significant in international marketplaces, governments, and regulatory agencies are:

Ongoing work for sustainable for technological development-

Microsoft's AI for Earth project- Technology-driven sustainability is the CSR focus. Microsoft's AI for Earth program is one example of how the company has led the way in incorporating technology into its CSR initiatives. In order to address environmental issues like climate change, agriculture, biodiversity, and water conservation, this project makes use of artificial intelligence (AI). Microsoft provides AI tools, cloud computing resources, and data analytics to promote creative solutions in partnership with scientists and organisations around the world. Technology and Sustainability Alignment: Utilising its AI know-how, Microsoft shows how technology can support sustainable development by improving the capacity to evaluate environmental data and manage resources. Through the program, Microsoft is positioned as a leader in both technology and environmental sustainability.

Research findings **accessibility in developing countries:** Microsoft's AI tools are mainly available to advanced research organizations. There is a lack of research on how to make these technologies more accessible to developing countries and smaller organizations, which could enhance global sustainability efforts.

The Sustainable Living Plan of Unilever - CSR Focus: Eco-friendly supply chains and products. Unilever's Sustainable Living Plan is a long-term project that aims to improve social well-being and lessen the environmental impact of its products. With an emphasis on lowering greenhouse gas emissions, enhancing waste management, and procuring raw materials responsibly, the company has incorporated sustainability throughout the whole value chain. Additionally, Unilever encourages sustainable consumer practices through product design innovation and education. Alignment with Sustainability and Technology: To ensure accountability and transparency, Unilever tracks and manages its supply chain using technology. By implementing digital solutions, the business can track the results of its sustainability initiatives from production to sourcing and make data-driven choices that support global sustainability objectives.

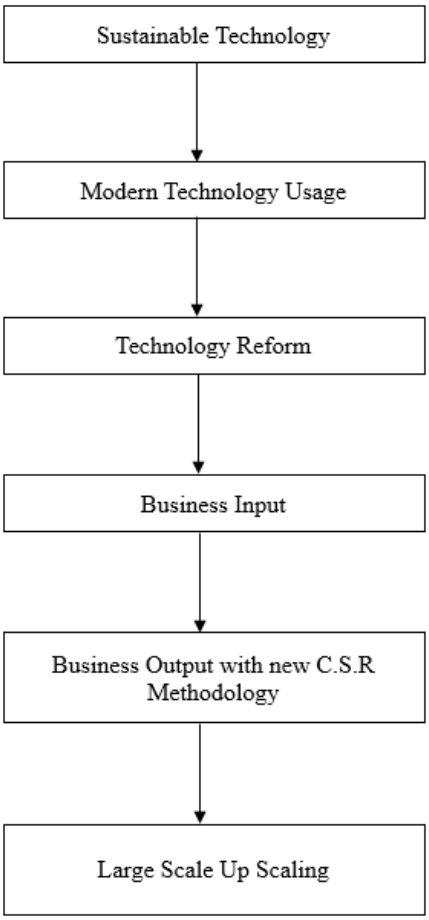
Research Developments-

Adoption and consumer behaviour: Although Unilever advocates promoting eco-friendly products, further research on consumer behaviour is required. What cultural and financial obstacles stand in the way of the wider adoption of sustainable products, and how do consumer behaviours change towards sustainability?

Green Technology and Smart City Solutions - CSR Focus: Green technologies and urban sustainability. Siemens, a world leader in engineering and technology, has made significant investments in smart city solutions that seek to lessen environmental effects while enhancing urban living conditions. Intelligent transport systems, energy-efficient buildings, and the integration of renewable energy sources in urban areas are the main focuses of Siemens' green innovations. Alignment with Technology and Sustainability: Digital technologies are used in Siemens' smart city initiatives to build more environmentally friendly urban settings. Siemens is assisting cities in lowering carbon emissions, optimizing energy consumption, and enhancing overall environmental performance by combining IoT, AI, and data analytics. This aligns with Siemens' technical.

Research Findings-Siemens prioritises environmental sustainability, but little is known about how smart cities handle social sustainability concerns including lowering inequality, boosting community involvement, and maintaining public confidence in smart technologies.

Sustainable Technology Flowchart



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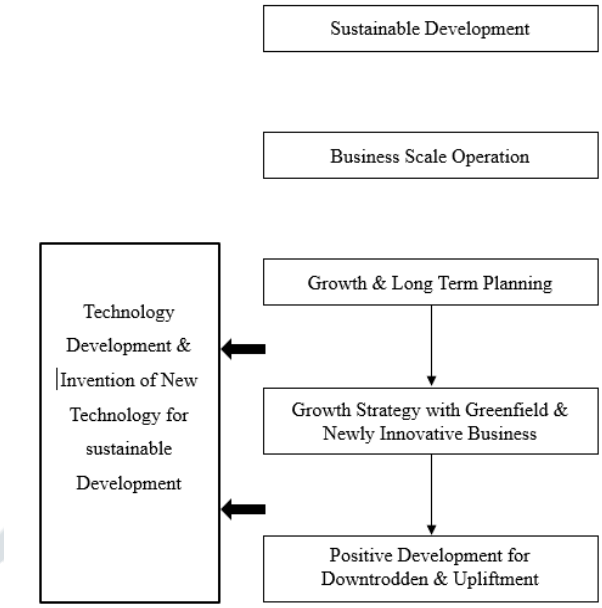
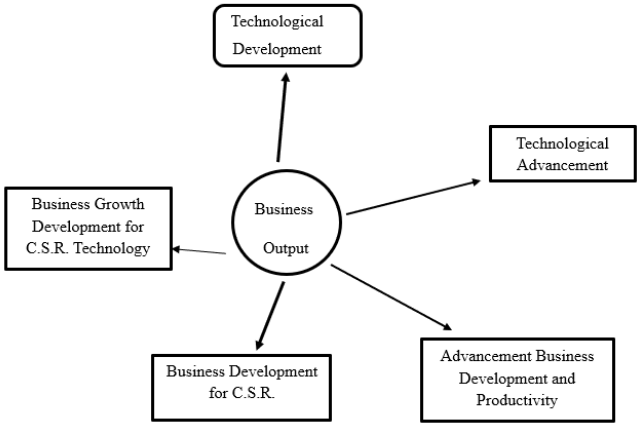
CSR in the Indian context and its implications as new technology for sustainability in Indian society- This base is as per the Indian Companies Act 2013.

Corporate Social responsibility operating in India is most important aspect as more organization are key depend for functionality purpose in terms of technology and social are dependent on the Indian Companies Act 2013 which is a resultant for the output work for overall growth development and equal parameter work output for the further for more output which is more practical and which is more reliable as there are various guidelines which are being framed for the development purpose and business utility purpose this Indian company are engage in active CSR initiatives as per the law which are focused on technological research and development they are focused more on active skill set which are required for sustainable activities such as education improving quality of education for underprivileged children, healthcare it must where growing diseases is biggest problem in rural area development so free medical camp, affordable operation parameters, and easy access is the goal of Indian government for which emphasis is given by the government at a large. (Nagendra, N. P., KUNAR, K., & Bettiol, L. (2015)) Rural development has been crucks for ecosystem development so the crux of the implication is how to maintain the balance of development for infrastructure in rural areas for sustainable development where the quality is maintained and the standard of living increases. India has got largest working population so the main emphasis is on the population's skills development for job-ready and entrepreneurship development for the balance of providing equal opportunities for all to empower especially the (Sethi, S. P., Rovenpor, J. L., & Demir, M) (2017women through alignment of technology with women's skill sets so that more women will be job ready to carry out the skill set and contribution to the GDP growth rate of the nation development and overall transparency required to abide as per new law by the central government as National CSR Policy 2019 to push and encourage the CSR and technology with the business activists of the organization so that it becomes important part of the organization characteristics.

The CSR rule 2014 enactment has been crucial role which is the crucks applicability for a turnover of 500 crores or more or a turnover of 1000 crore or more with a net profit of 5 crores has to form a CSR committee as schedule VII (Bernal-Conesa, J. A., Briones-Penalver, A. J., & De Nieves-Nieto, C. (2016)) lists which have to work specifically on eradication of poverty hunger and malnutrition, promoting healthcare and sanitation, employment enhancing skills, environmental sustainability, national and cultural heritage, benefits in forms of perquisites, kind or monetary benefits to armed forces for social security, war, widows, dependent ones

Sustainable Development Business Flow





Findings- CSR role in technology with enhancing development and technological findings for future growth analysis.

The CSR role development with technology is that change is constant in ancient times charity was one of the important activities that evolved with time and its implication is more CSR with diversified for various society development with the need of the people and evolvement of society and nature of demand where the technology plays a vital role for the development. The association of technology with CSR role has played a more vital role in implication for overall development as a whole. CSR methodology has evolved with the major role but the more focus it has resulted in a natural society for enhancement of increased digital workflows which companies can use the technology for reducing cost in CSR activities as well as can help to develop the enhance efficiency for futuristic business activities for overall growth

story of the economy, which are required for sustainable and society positivity activities. This helps to increase productivity to enhance the productivity for the overall development of the economy as a whole and natural productivity for the country's lifetime upliftment enhancement. (Sarajoti, P., Chatjuthamard, P., Papangkorn, S., & Phiromswad, P. (2022). CSR) Which categorizes company and technology usage efficiency and productivity output. This has led to various factors such as value increase in reputation, trust building, and brand image for social empowerment of customers employees, and investors' security, it also results in social collusion where the CSR role aims to community development and social development for the holistic overall growth of the organization. The main aim is to develop the cause of the growth for the organization and community assimilation which gives more impact and overall growth for the CSR growth orientation and development factors of the organization for the country as a whole.

Future Outcomes of Sustainable technological-

Cooperative Innovation to Address Global Issues - Future developments in CSR-driven technology innovation will progressively entail collaborative models, in which companies work with governments, non-governmental organizations, and academic institutions to address global issues. Through these collaborations, shared values will be created, allowing corporate success to coincide with advancements in society and the environment. CSR-driven technology advancements will be mostly financed by sustainable finance technologies like impact investing, green bonds, and ESG (Environmental, Social, and Governance) measures.

1) **Social Caring development-** Social caring is one of the important factors for the growth and effective development of overall growth development and expansion factors as a whole.
2) **Collaboration of sustainability with innovation-** Collaboration is a must for overall growth without it being impossible for any development where development lies a prominent development which helps for output and robust management development. (Lee, E. M., Lee, H. J., Pae, J. H., & Park, S. Y. (2016) This leads to evolvement for further development for proper implications and overall growth of the economy for the company in business expansion for new product development through sustainability development. It has also been characterized as a mode of social and equitable work analysis which helps more to society sustainable activity as a whole for the organization.
3) **Greater work Emphasis and social development-** The development is more social and development is more analytical where the equitable work analysis is characterized as equipped for the growth of the business and social impact development of the organization as a whole it develops overall positive aspects for the organization as a differentiation for overall holistic development for the mean of analysis as a whole.
4) **Business orientation development-** Business orientation is a key for overall growth as it implicates for overall social and equitable distribution of work for impact growth oriented.

Discussion- How is the technology future shaping CSR's role in sustainability?

The focus will be enhancing transparency for technology to streamline the process and overall growth story for a work order for CSR role performance in sequential order and be more transparent and accountable for streamlining the process for making them more efficient to have more effectiveness in the development of the to integrate various stakeholders such as creditors, debtors, employees, communities, their needs, and concerns.

Data-driven support and tools emphasize a key parameter for enabling the whole promoting technology base sustainability which is required for overall growth development it has an enabling impact in it helps to promote sustainability as the cause is the innovations, ensuring the positive differences, (Bernal-Conesa, J. A., Briones-Penalver, A. J., & De Nieves-Nieto, C. (2016)) frugality is some key outlook where corporates are also trying to emphasize the fostering the culture of ethical performance and social responsibility to learning new technological advancement in the system process orientation. Technology enables companies to for new challenges which become opportunity-centric for development growth and parameter aspects. New solutions and approaches to address social and environmental challenges.

Conclusion-CSR role in technology outcome advancement of usage for efficiency and sustainability.

CSR plays a vital role in technological development serving where society's growth and substantial activities are key for development, Embracing CSR technology companies can help foster inclusive and responsible innovation where social and environmental are the key challenges that are required for the right to promote digital for inclusive and responsible for the innovation which creates social and environmental which made challenges for respective human efficiency for ethical practices and human rights for survival for long term growth. Through CSR technology has impacted results for shorter impacting their impact their innovations and equitable problems. Integrating CSR is key for long-term value into a core strategy for the development of overall development loyalty and trust among the stakeholders which is required for prosperity and growth.

1) Its emphasis on the CSR role is to enhance its reputation for the brand value and development of the company and use of technology for society as for whole.

2) Building trust and loyalty for the stakeholders which impacts the top management for the control of stakeholders and also retaining top talent for efficient performance.
3) Manage risk and opportunities efficiently for overall growth development and society growth.
4) Contribute to nation-building rather than individual growth orientation development.
5) Integration of technology and CSR activities is about bridging a gap between the two different identities for the overall development of society as a whole.
6) Sustainable Development Goals are the aim of every organization which is important for the country's prospective development of evolvement.

Long-Term Competitive Advantage

By incorporating CSR into their long-term plans, businesses can create long-lasting competitive advantages. Prioritizing technical innovation also puts businesses better positioned to prosper in a market that is becoming more socially and environmentally sensitive. Implementing CSR-driven technologies helps businesses build resilience against risks, including resource scarcity, environmental calamities, and regulatory changes. This resilience is essential for guaranteeing long-term economic stability and prosperity.

Suggestions for future-CSR strategies, tech companies can drive sustainability and a positive outlook for productive and easily accessible future growth development work.

There has been the development of AI which is a more important tool for social authority that will help carry a development work for overall society and which helps for the overall transparency, and explainability, (Bernal-Conesa, J. A., Briones-Penalver, A. J., & De Nieves-Nieto, C. (2016)). and ethical practices that are required for overall digital inclusion to ensure access to technology for the underserved communities, which also helps for the overall growth aspects in terms of energy efficient and productive lifecycle practices for overall growth story and holistic development at a large scale. It brings into more green coding concepts and practices that result in structural orientation of work analysis input and output context of work efficiency measurement results to monitor resulting in positive analysis of work data management towards the ground efficiency work administrative. Leverage technology adds more impact to monitor the technology more efficiently and effectively to maintain the product utility parameters which helps to categorize the holistic development systematic overall growth measurement concept. The sustainable supply chain is the most responsible sourcing and manufacturing practice which is commonly used to deploy overall development practices that are equally available for the overall development of technological outcome of the work and analysis of behaviour patterns. There has been a huge demand for work output measurement and overall digital skill sets training where technological advancement has helped to produce more categorized results in the business to have effective energy flow for channelization of the resources required to use in the materialistic and category output of the work. Ethical data management is the most important tool to be used to ensure data collection, storage, and usage analysis is mostly categorially developed to maintain efficacy and efficiency of the work output. In recent practices, there has been more of a future-focused.

REFERENCES

[1] Abbas, J., Mahmood, S., Ali, H., Ali Raza, M., Ali, G., Aman, J., ... & Nurunnabi, M. (2019). The effects of corporate social responsibility practices and environmental factors through a moderating role of social media marketing on the sustainable performance of business firms. Sustainability, 11(12), 3434.
[2] Xu, L., Mohammad, S. J., Nawaz, N., Samad, S., Ahmad, N., & Comite, U. (2022). The role of CSR for de-carbonization of hospitality sector through employees: A leadership perspective. Sustainability, 14(9), 5365.
[3] Weingarten, F., Lo, C. K., & Lam, J. Y. (2017). How does sustainability leadership affect firm performance? The choices associated with appointing a chief officer of corporate social responsibility. Journal of Business Ethics, 140, 477-493.
[4] Kurucz, E. C., Colbert, B. A., Luedeke-Freund, F., Upward, A., & Willard, B. (2017). Relational leadership for strategic sustainability: Practices and capabilities to advance the design and assessment of sustainable business models. Journal of Cleaner Production, 140, 189-204.
[5] Juščius, V., & Snieška, V. (2008). Influence of corporate social responsibility on competitive abilities of corporations. Engineering economics, 58(3).
[6] Heslin, P. A., & Ochoa, J. D. (2008). Understanding and developing strategic corporate social responsibility. Organizational Dynamics, 37, 125-144.
[7] Marshall, J. (2007). The gendering of leadership in corporate social responsibility. Journal of Organizational Change Management, 20(2), 165-181.
[8] Scavarda, A., Daú, G., Scavarda, L. F., & Goyannes Gusmão Caiado, R. (2019). An analysis of the corporate social responsibility and the industry 4.0 with a focus on the youth generation: A sustainable human resource management framework. Sustainability, 11(18), 5130.
[9] Hargett, T. R., & Williams, M. F. (2009). Wilh. Wilhelmsen Shipping Company: moving from CSR tradition to CSR leadership. Corporate Governance: The international journal of business in society, 9(1), 73-82.
[10] Abbas, J. (2020). Impact of total quality management on corporate green performance through the mediating role of corporate social responsibility. Journal of Cleaner Production, 242, 118458.
[11] Abbas, J. (2020). Impact of total quality management on corporate green performance through the mediating role of corporate social responsibility. Journal of Cleaner Production, 242, 118458.
[12] Murray, A., Haynes, K., & Hudson, L. J. (2010). Collaborating to achieve corporate social responsibility and

sustainability? Possibilities and problems. Sustainability accounting, management and policy journal, 1(2), 161-177.
[13] Nicolăescu, E., Alpopi, C., & Zaharia, C. (2015). Measuring corporate sustainability performance. Sustainability, 7(1), 851-865.
[14] Cheema, S., & Javed, F. (2017). The effects of corporate social responsibility toward green human resource management: The mediating role of a sustainable environment. Cogent Business & Management, 4(1), 1310012.
[15] Utting, P. (2000). Business responsibility for sustainable development (No. 2). Geneva 2000 Occasional Paper.
[16] Albareda, L., Lozano, J. M., Tencati, A., Midttun, A., & Perrini, F. (2008). The changing role of governments in corporate social responsibility: drivers and responses. Business ethics: a European review, 17(4), 347-363.
[17] Albareda, L., Lozano, J. M., Tencati, A., Midttun, A., & Perrini, F. (2008). The changing role of governments in corporate social responsibility: drivers and responses. Business ethics: a European review, 17(4), 347-363.
[18] Vallentin, S., & Murillo, D. (2012). Governmentality and the politics of CSR. Organization, 19(6), 825-843.
[19] Bernal-Conesa, J. A., de Nieves Nieto, C., & Briones-Peñalver, A. J. (2017). CSR strategy in technology companies: Its influence on performance, competitiveness, and sustainability. Corporate social responsibility and environmental management, 24(2), 96-107.
[20] Tomaselli, G., & Melia, M. (2014). The role of interactive technologies for CSR communication. Journal of International Scientific Publications: Economy & Business, 8, 324-340.
[21] Bernal-Conesa, J. A., Briones-Penalver, A. J., & De Nieves-Nieto, C. (2016). The integration of CSR management systems and their influence on the performance of technology companies. European journal of management and business economics, 25(3), 121-132.
[22] Atanasov, A., Chipriyanova, G., & Krasteva-Hristova, R. (2023). Integration of Digital Technologies in Corporate Social Responsibility (CSR) Activities: A Systematic Literature Review and Bibliometric Analysis. Journal of Risk and Financial Management, 16(8), 373.
[23] Davoodi, S. M. R., Ahmari, M., & Gholamian, E. (2019). Integrating corporate social responsibility management systems (CSR) on the performance of technology companies (case study: Mahshahr Maroon Petrochemical). Commercial Surveys, 17(97), 60-78.
[24] RAIMONDI, V. Blockchain Technology & CSR Compliance: How to Build a System Based on Cooperation Among Stakeholders and Save Important Resources. STRATEGICA, 713.
[25] Mårtensson, V. (2017). CSR–A matter of Distance and Technology.
[26] Chandel, A. S. OVERVIEW OF CORPORATE SOCIAL RESPONSIBILITY (CSR) IN CONTROLLING POLLUTION IN RIVER GANGES AND THE IMPACT OF TECHNOLOGY ON CSR. Emerging Trends in Technology & its Impact on Law, 52.
[27] Chandel, A. S. OVERVIEW OF CORPORATE SOCIAL RESPONSIBILITY (CSR) IN CONTROLLING POLLUTION IN RIVER GANGES AND THE IMPACT OF TECHNOLOGY ON CSR. Emerging Trends in Technology & its Impact on Law, 52.
[28] Sarajoti, P., Chatjuthamard, P., Papangkorn, S., & Phiromswad, P. (2022). CSR reporting and blockchain technology. In Corporate Social Responsibility in the 21st Century. IntechOpen.
[29] De Stefano, F., Bagdadli, S., & Camuffo, A. (2018). The HR role in corporate social responsibility and sustainability: A boundary-shifting literature review. Human Resource Management, 57(2), 549-566.
[30] Rajesh, P. (2019). Solid waste management-sustainability towards a better future, the role of CSR–a review. Social Responsibility Journal, 15(6), 762-771.
[31] Mandarić, M., & Milovanović, V. (2016, June). The role of CSR in the development of sustainable tourism in Serbia. In Tourism International Scientific Conference Vrnjačka Banja-TISC (Vol. 1, No. 2, pp. 412-429).
[32] Williams, O. F. (2013). Corporate social responsibility: The role of business in sustainable development. Routledge.
[33] Lee, E. M., Lee, H. J., Pae, J. H., & Park, S. Y. (2016). The important role of corporate social responsibility capabilities in improving sustainable competitive advantage. Social Responsibility Journal, 12(4), 642-653.
[34] Kahraman Akdoğu, S. (2017). The link between CSR and sustainable development in a global economy. Corporate Social Responsibility: Academic Insights and Impacts, 223-240.
[35] Sethi, S. P., Rovenpor, J. L., & Demir, M. (2017). Enhancing the quality of reporting in Corporate Social Responsibility guidance documents: The roles of ISO 26000, Global Reporting Initiative and CSR-Sustainability Monitor. Business and Society Review, 122(2), 139-163
[36] Selvalakshmi, V., Gayathri, S., Anitha, L., & Ramachandran, S. (2023). Sustainable Strategy: Analyzing the Role of CSR Communication of Select Companies to the Stakeholders. International Journal of Professional Business Review: Int. J. Prof. Bus. Rev., 8(4), 42.
[37] O'Sullivan, G. (2020). The Role of CSR and Corporate Governance in the Sustainable Development of the World. Social Responsibility and Corporate Governance: Volume 1: Preconditions for Integrati
[38] Kudłak, R., & Low, K. Y. (2015). Special issues dedicated to CSR and corporate sustainability: A review and commentary. Long Range Planning, 48(3), 215-227.
[39] Kudłak, R., & Low, K. Y. (2015). Special issues dedicated to CSR and corporate sustainability: A review and commentary. Long Range Planning, 48(3), 215-227.
[40] Caputo, F., Scuotto, V., Papa, A., & Del Giudice, M. (2020). From sustainability coercion to social engagement: the turning role of corporate social responsibility. Corporate governance and research & development studies, 2(1), 9-15.
[41] Brown-Liburd, H., & Zamora, V. L. (2015). The role of corporate social responsibility (CSR) assurance in investors' judgments when managerial pay is explicitly tied to CSR performance. Auditing: A Journal of Practice & Theory, 34(1), 75-96.
[42] Pucheta-Martínez, M. C., & Chiva-Ortells, C. (2018). The role of directors representing institutional ownership in sustainable development through corporate social responsibility reporting. Sustainable Development, 26(6), 835-846.
[43] Pucheta-Martínez, M. C., & Chiva-Ortells, C. (2018). The role of directors representing institutional ownership in sustainable development through corporate social responsibility

reporting. Sustainable Development, 26(6), 835-846.
[44] Herkert, J. (2006, May). Ethical responses of large organizations to the challenge of sustainable development. In Proceedings of the 2006 IEEE International Symposium on Electronics and the Environment, 2006. (pp. 53-54). IEEE.
[45] Filippi, M. (2020). Do French agrifood co-ops have a head start in Corporate Social Responsibility? An initial examination of French co-ops and their practices. Review of Agricultural, Food and Environmental Studies, 101(4), 489-506.
[46] Giménez Leal, G., Casadesús Fa, M., & Valls Pasola, J. (2003). Using environmental management systems to increase firms' competitiveness. Corporate Social Responsibility and Environmental Management, 10(2), 101-110.
[47] Crifo, P., & Forget, V. (2012). The economics of corporate social responsibility: a survey.
[48] Nagendra, N. P., KUNAR, K., & Bettiol, L. (2015). An analysis of the applicability of space debris mitigation guidelines to the commercial small-satellite industry. In 66th International Astronautical Congress (pp. 1-18).