

Annexure
Table 1- Thematic Analysis

<u>S.No</u>	Research Paper Title	Authors	Year of Publication	Research Methodology Used	Purpose of study	Heading 1	Heading 2	Heading 3	Heading 4	Heading 5	Heading 6
1	The state of play of blockchain technology	Omar Ali, Mustafa Ally , Yogesh Dwivedi	2020	A staged process is followed when embarking on a systematic review: review scope is defined initially and questions and protocol are scrutinized; the evidence is then selected; and, subsequently, the researchers perform a quality appraisal of evidence, data acquisition and synthesis	This paper explores opportunities where the deployment and use of blockchain technology is likely to transform, in particular, the financial sector.	Blockchain technology definition	Blockchain technology characteristics	Blockchain technology categories	Impact of blockchain technology on the financial sector	Blockchain enabled financial sector benefits	
2	A systematic literature review of blockchain-based applications	Fran Casino, Thomas K. Dasaklis, Constantinos Patsakis	2018	To provide a transparent, reproducible and scientific literature review of blockchain-based applications, the process suggested by Briner and Denyer (2012) as well as some features of the PRISMA statement (Moher et al., 2009) have been adopted. The overall methodological approach includes the following steps: 1. Identify the need for the review, prepare a proposal for the review, and develop the review protocol. 2. Identify the research, select the studies, assess the quality, take notes and extract data, synthesise the data. 3. Report the results of the review.	The aim is to investigate the current state of blockchain technology and its applications and to highlight how specific characteristics of this disruptive technology can revolutionise “business-as-usual” practices	Blockchain overview	Blockchain based Application				
3	Diffusion of blockchain in insurance industry	Arpan Kumar Kar , L. Navin	2021	This paper reviews the academic literature as well as industry practices of	The objective of this review article is to compare both the literature	Insurance industry overview	Evolution of Blockchain technology	Blockchain in insurance sector			

				implementation of blockchain in insurance sector. The systematic review by considering two sources is attempting to integrate insights from different bodies of knowledge	sources to understand the actual levels of implementation and use cases, and to identify the direction in which the insurance sector is currently going in terms of adoption of this technology.						
4	The decade-long cryptocurrencies and the blockchain rollercoaster	Anton Klarin	2020	analyze the entire intellectual structure of blockchain and cryptocurrencies in business-related disciplines to identify 174 academic articles as well as 1482 practitioner-oriented articles published since the inception of cryptocurrencies in 2008 to highlight key trends of the published outputs	To identify a number of themes are identified and discussed that could align academic and practitioner interests and provide guidance for further research in this important field.	Defining cryptocurrency	Defining blockchain technology	Defining the collaborative economy and digital platforms	Implications of blockchain and cryptocurrency technologies on the collaborative economy		
5	Sustainability of bitcoin and blockchains	Harald Vranken	2017	Review Based Paper	Discuss the developments in bitcoin mining hardware and also briefly outline alternative schemes that are less energy demanding	Overview of the bitcoin system	Blockchains				
6	Blockchain, business and the fourth industrial revolution	Danson Kimani, Kweku Adams, Rexford Attah-Boakye, Subhan Ullah, Jane Frecknall-Hughesd, Ja Kim	2020	This article conducts a survey of the literature to gain an understanding of the opportunities and issues presented by blockchain in various business functions.	The paper demonstrates how organisations and regulators can leverage blockchain to upscale business operations, enhance efficiency and reduce operational costs	Regulation of blockchain	Economics of blockchain	Blockchain and the fourth industrial revolution	Blockchain: prospects and issues moving forward	Transaction request	Transaction validation
7	A framework for analysing blockchain	arijn Janssen , Vishanth Weerakkody	2020	focused review of literature	proposes framework which can be used by	Introduction to Blockchain technology	Research Approach	Conceptual framework for analysing			

	technology adoption:	, Elvira Ismagilova , Uthayasankar Sivarajah , Zahir Irani			organisations as a reference point for adopting blockchain applications and by scholars to expand, refine and evaluate research into blockchain technology			blockchain technology			
8	Banking with Blockchain-ed Big Data	Hossein Hassani, Xu Huang and Emmanuel Silva		comprehensive review of the impact of blockchain in banking to date by summarising the opportunities and challenges from a bankers perspective.	To fill the gap in research and development into blockchain-ed big data in banking from an academic perspective	Introduction	Blockchain-ed Opportunities in Banking	Blockchain-ed Challenges in Banking	Discussion		
9	A bibliometric analysis of bitcoin scientific production	Ignasi Merediz-Solà, Aurelio F. Bariviera	2019	bibliometric study of 1162 papers	aimed at studying the scientific production only around bitcoin, excluding other blockchain applications	Introduction	Related literature	Data and result	Potential research lines		
10	Blockchain and the built environment: Potentials and limitations	Nawari O. Nawari*, Shriram Ravindran	2019	systematic review of the current body of knowledge, and the retrieval of the required the information from the literature sources	blockchain technology and its applications in the built environment and examines the potential integration with the BIM process	History of blockchain	Key features of blockchain architecture	Blockchain data processing example	Security risks to Blockchain	Smart contracts	Applications of blockchain technology
11	A systematic literature review of blockchain cyber security	Paul J. Taylor, Tooska Dargahi, Ali Dehghantanha, Reza M. Parizi, Kim-Kwang Raymond Choo	2019	The searches were run against the title, keywords or abstract, depending on the search platforms. The searches were conducted on 30th April, 2018 and we processed all studies that had been published up to this date	This research identifies peer-reviewed literature that seeks to utilize blockchain for cyber security purposes and presents a systematic analysis of the most frequently adopted blockchain security applications	Introduction	Research methodology	Findings	Discussion		
12	Smart Contracts on the Blockchain – A	Lennart Ante	2020	This paper analyzes 468 articles on the topic of smart contracts and their		Introduction	data and method	Smart contracts			

	Bibliometric Analysis and Review			20,188 references, providing a summary and analysis of the current state of research on smart contracts and identifying intellectual structures and emerging trends.							
13	The blockchain: State-of-the-art and research challenges	Lu Yang	2019	this paper reviews the extant studies on the blockchain and its key components, blockchain-based IoT, blockchain-based security, blockchain-based data management, and the main applications based on the blockchain, and it delineates potential trends and challenges.	This study provides a comprehensive overview of state-of-the-art blockchain and describes a forward-looking direction	Basic structure of blockchain	Categories of blockchain	Characteristics of blockchain	Smart contract in blockchain	Blockchain-based open source projects	