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<p>(51) International classification :H04L0009320000, G06Q0020380000, H04L0009080000, G06F0009500000, G06F0021600000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)CMR COLLEGE OF ENGINEERING & TECHNOLOGY Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad ----- -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. S. KIRUBAKARAN Address of Applicant :Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- -----</p> <p>2)Ms. B. ARCHANA Address of Applicant :Assistant Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- -----</p> <p>3)Ms. M. N. SAILAJA Address of Applicant :Assistant Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, Hyderabad ----- -----</p> <p>4)Mr. GOLLA SAIDULU Address of Applicant :Assistant Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- -----</p> <p>5)Dr. P. SENTHIL Address of Applicant :Assistant Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- -----</p>
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(57) Abstract :
 INTER-BLOCKCHAIN COMMUNICATION PROTOCOL FOR ENHANCED NETWORKED DECENTRALIZED SYSTEMS ABSTRACT The invention discloses an Inter-Blockchain Communication Protocol (IBCP) designed to enhance decentralized systems' networked capabilities. The IBCP establishes secure communication channels between multiple blockchains, allowing seamless and secure data exchange. Employing cryptographic authentication ensures the integrity of communication participants. The protocol includes dynamic features, such as consensus mechanism handling and smart contract interoperability, promoting adaptability across diverse blockchain architectures. The system comprises modules for communication, authentication, and data transmission, providing a comprehensive framework for efficient and secure inter-blockchain transactions. Additionally, the protocol addresses security concerns with a monitoring module and adapts to varying network conditions. This invention empowers decentralized networks by facilitating robust, scalable, and interoperable communication between blockchains, fostering a more connected and resilient decentralized ecosystem.

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