

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511044069 A

(19) INDIA

(22) Date of filing of Application :07/05/2025

(43) Publication Date : 23/05/2025

(54) Title of the invention : A BLOCKCHAIN-ENABLED DATA INTEGRITY VERIFICATION SYSTEM FOR CLOUD-BASED BUSINESS APPLICATIONS

(51) International classification :H04L0009000000, H04L0009320000, G06F0021640000, H04L0009400000, H04L0009060000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY
 Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. -----
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)Dr. DEEPTI
 Address of Applicant :Department of Computer Science & Engineering (CSBS), Noida Institute of Engineering & Technology, Greater Noida. Greater Noida -----

(57) Abstract :
 A blockchain-enabled data integrity verification system (100) for cloud-based business applications is disclosed. The system (100) comprises a cloud data capture module (101), a blockchain interfacing unit (103), a decentralized verification layer (104), an integrated blockchain ledger (106), and an alert generation module (108), configured to ensure real-time, tamper-proof verification of cloud data operations, offering enhanced operational trust and security.

No. of Pages : 13 No. of Claims : 5