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(51) International classification :G06F0021620000, H04L0009320000, H04L0009080000, G06F0021600000, 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)**RVR & JC COLLEGE OF ENGINEERING** Address of Applicant :RVR & JC COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR PIN - 522 019. Guntur ----------- ---------- **Name of Applicant : NA** **Address of Applicant : NA** (72)**Name of Inventor :** 1)**SRI G. SRINIVASA RAO** Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY RVR & JC COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR PIN - 522 019. Guntur ----------- ----------- 2)**SMT. N. NEELIMA** Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY RVR & JC COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR PIN - 522 019 Guntur ----------- ----------- 3)**SRI V. VENKATA SRINIVASU** Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY RVR & JC COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR PIN - 522 019 Guntur ----------- ----------- 4)**DR. G. SWETHA** Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY RVR & JC COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR PIN - 522 019 Guntur ----------- -----------

(57) Abstract :
METHOD AND SYSTEM FOR PROVIDING BLOCKCHAIN-BASED SECURE DATA SHARING AND COLLABORATION PLATFORM ABSTRACT The present invention discloses a novel method and system 200 for establishing a secure data sharing and collaboration platform 102 utilizing blockchain technology. The system 200 involves receiving data from users, encrypting it with user-specific keys, and storing it in an immutable blockchain ledger. Each data entry is uniquely identified using a cryptographic identifier, securing data integrity. Access to the data is controlled through cryptographic verification of these identifiers, ensuring a tamper-proof and secure environment. Users are granted collaborative access based on predefined permissions, promoting seamless collaboration while preserving data security. The system 200 updates the blockchain ledger with any data modifications, maintaining a comprehensive and secure record of shared and collaborated data. This innovation revolutionizes data sharing, ensuring trust, integrity, and confidentiality in collaborative endeavors across diverse domains.

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