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<p>(51) International classification :G06F0021620000, G06F0021600000, A61B0090000000, G06Q0050260000, G06F0021120000</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 : <b>1)Bhageshwari Ratkal</b> Address of Applicant :Assistant Proffessor, Department of Computer Science and Engineering, G.Narayanamma Institute of Technology and Science, Shaikpet Rd, Ambedkar Nagar, Shaikpet, Hyderabad, Telangana- 500104. ----- <b>2)Dr.G.G.Raja Sekhar</b> <b>3)Dr. Balaji .V</b> <b>4)Dr. U. U. Veerendra</b> <b>5)R. Partheepan</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Bhageshwari Ratkal</b> Address of Applicant :Assistant Proffessor, Department of Computer Science and Engineering, G.Narayanamma Institute of Technology and Science, Shaikpet Rd, Ambedkar Nagar, Shaikpet, Hyderabad, Telangana- 500104. ----- <b>2)Dr.G.G.Raja Sekhar</b> Address of Applicant :Associate Professor, Department of Electrical &amp; Electronics Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur (Dist)- 522302. ----- <b>3)Dr. Balaji .V</b> Address of Applicant :Professor, Department of EEE, Aditya Engineering College, ADB Road, Aditya Nagar, Surampalem, Andhra Pradesh- 533437. ----- <b>4)Dr. U. U. Veerendra</b> Address of Applicant :Associate Professor, Department of Computer Science and Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu- 601102. ----- <b>5)R. Partheepan</b> Address of Applicant :Director, Knowledge Xchange Community,No:47,Fl, Shravana bhava Enclave, 1st main road, Venus Nagar, Kolathur,Chennai,Pincode- 600099. ----- ----</p>
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(57) Abstract :

This invention employs a Blockchain system for storing data collected by sensors fitted at the point source of mining. This invention was developed with the goal of collecting and storing data in a fully secured manner in which it cannot be tampered. The mining safety data is very sensitive and needs to be protected in the most secure manner since miner's safety can be compromised by mining industries. Accidents that occur in mining site due to lack of safety infrastructure can be hidden from being publically classified by the mining companies. Any sort of slack, be in effort, infrastructure or protocols to be followed regarding miner's safety has to be accounted for by a foolproof manner. It is therefore important for government mining monitoring agencies to be sure that the data pertaining to mining accidents and safety are accurate and completely protected. This invention achieves it employing Blockchain technology.

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