

(54) Title of the invention : AN ACCESS AUTHORIZATION MECHANISM FOR BLOCKCHAIN ELECTRONIC HEALTH RECORDS TO PROTECT FRAGILE DATA

<p>(51) International classification :G16H0010600000, H04L0009320000, G06F0021620000, G06F0021640000, G16H0050200000</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)Ms.K.Sowjanya Naidu</b>  Address of Applicant :Assistant Professor, Department of CSE-IOT, Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>2)Malla Reddy Engineering College</b>  Name of Applicant : NA  Address of Applicant : NA  (72)Name of Inventor :  <b>1)Ms.K.Sowjanya Naidu</b>  Address of Applicant :Assistant Professor, Department of CSE-IOT, Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>2)Dr.K.Vasanth Kumar</b>  Address of Applicant :Professor, Department of CSE-IOT, Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>3)A.Laxmi Prasanna</b>  Address of Applicant :Assistant Professor, Department of CSE-IOT , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>4)Kulkarni Ankitha</b>  Address of Applicant :Assistant Professor, Department of CSE-IOT , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>5)L.Ramu</b>  Address of Applicant :Assistant Professor, Department of CSE-IOT , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>6)VADLA ANUJA</b>  Address of Applicant :Assistant professor, Mallareddy Engineering College (Autonomous) Maisammaguda, Dhulapally, Medchal-Maljkajgiri, Rangareddy- 500100 Maisammaguda -----  <b>7)N.Niteesha</b>  Address of Applicant :Assistant Professor, Department of CSE-IOT , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>8)Dr.P.Srinivas</b>  Address of Applicant :Associate Professor, Department of CSE-CS , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>9)M.Krishna Kanth</b>  Address of Applicant :Assistant Professor, Department of CSE-CS , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----  <b>10)Mr.G.Ganesh</b>  Address of Applicant :Assistant Professor, Department of CSE-CS , Malla Reddy Engineering College( Autonomous), Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----</p>
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(57) Abstract :  
Blockchain is a distributed, public ledger and the property of immutability is guaranteed by a peer-to-peer network of computers and not by any centralized authority. It is made up of ordered records with hashes, recent transaction timestamps, and previous transaction hashes. The immutability of the data saved is enticing the healthcare sector to use block chain technology. The smart contract can be used to play a critical function in the Block chain. According to the survey, approximately 95 percent of healthcare records have been compromised by cyberassaults perpetrated by numerous organizations. This proposal focuses on preserving the Electronic Health Records (EHR) in the immutable block chain ledger, which allows doctors to upload patient records and patients to withdraw access permissions to provide improved security for the patient's records. This study will help various stakeholders carry out improved health services while also preserving the data rights of users. An attempt was made to create a framework for individuals to access the data on the block chain. The frameworks propose a layered method for multiple parties to access the patient's data.

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