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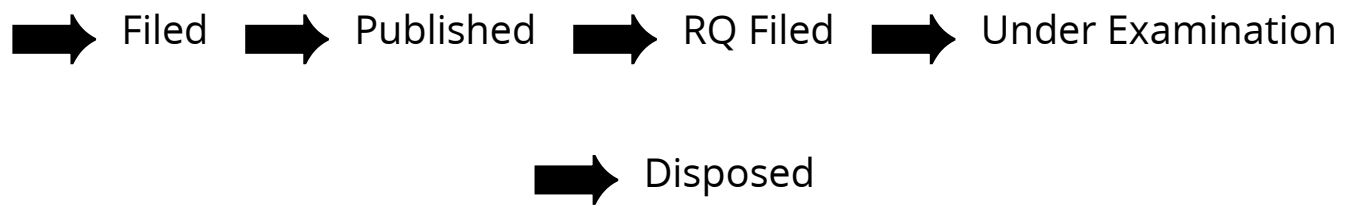
Application Details

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DATE OF FILING	19/11/2022
APPLICANT NAME	VNR Vignana Jyothi Institute of Engineering and Technology
TITLE OF INVENTION	Healthcare Support Management System Using The IOT-Based Blockchain Platform.
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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Application Status

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(54) Title of the invention : Healthcare Support Management System Using The IOT-Based Blockchain Platform.

<p>(51) International classification :G16H001060000, H04L006712000, H04L000932000, G06F002162000, H04L000908000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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)VNR Vignana Jyothi Institute of Engineering and Technology Address of Applicant :VNR Vignana Jyothi institute of engineering and technology, 500090 Hyderabad, Telangana, India: ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. V.Krishnasree Address of Applicant :Designation:Associate professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: krishnasree_v@vnrvjiet.in Mobile No.:9848054170 Hyderabad ----- 2)G Sahitya Address of Applicant :Designation: Assistant professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: sahyia_g@vnrvjiet.in Mobile No.:8008362020 Hyderabad ----- 3)V.Alekhya Address of Applicant :Designation: Assistant professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: alekha_v@vnrvjiet.in Mobile No.:9966643877 Hyderabad ----- 4)N Neelima Address of Applicant :Designation: ASSISTANT professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: neelima_n@vnrvjiet.in Mobile No. 9502751880 Hyderabad ----- 5)A.Pravallika Address of Applicant :Designation: Assistant professor College Name with address:VNR VignanaJyothi institute of engineering and technology ,Bachupally Pin:500090 District: Hyderabad State: Telangana Country: India Email: pravallika_a@vnrvjiet.in Mobile No.:6300853657 Hyderabad ----- 6)P.Sureshbabu Address of Applicant :Designation: Assistant professor College Name with address:VNR VignanaJyothi institute of engineering and technology ,Bachupally Pin:500090 District:Hyderabad State:Telangana Country:India 98856 28692 Email: sureshbabu_p@vnrvjiet.in Hyderabad ----- 7)C. Kaushik Address of Applicant :Designation: Assistant Professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: kaushik_c@vnrvjiet.in Mobile No.: 9550135353 Hyderabad ----- 8)B. Shabharinath Address of Applicant :Designation:assistant professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: shabarinath_bb@vnrvjiet.in Mobile No: 9704049840 Hyderabad ----- 9)M. Bhagyalakshmi Address of Applicant :Designation: Assistant professor College Name with address:VNR VignanaJyothi institute of engineering and technology Pin:500090 District:Hyderabad State:Telangana Country:India Email: bhagyalakshmi_m@vnrvjiet.in Mobile No: 9542694364 Hyderabad ----- 10)Dr. Aruru Sai Kumar Address of Applicant :Designation: Assistant Professor College Name with address: VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad Pin: 500090 District: Medchal State: Telangana Country: India Email: asaikumar.nitw@gmail.com Mobile No: 7013251431 Hyderabad -----</p>
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(57) Abstract :
 ABSTRACT [1] Our Invention Healthcare Support Management system Using the IoT-Based Blockchain Platform Because of the availability of more than an actor and a wireless component among e-health applications, providing more security and safety is expected. Moreover, ensuring data confidentiality within different services becomes a key requirement. In this innovation, we propose to collect data from health and fitness smart devices deployed in connection with the proposed IoT blockchain platform. The use of these devices helps us in extracting an amount of highly valuable health data that are filtered, analyzed, and stored in electronic health records (EHRs). Different actors of the platform, coaches, patients, and doctors, collaborate to provide an on-time diagnosis and treatment for various diseases in an easy and cost-effective way. Our main purpose is to provide a distributed, secure, and authorized access to these sensitive data using the Ethereum blockchain technology. We have designed an integrated lowpowered IoT blockchain platform for a healthcare application to store and review EHRs. is architecture, based on the blockchain Ethereum, includes a web and mobile application allowing the patient as well as the medical and paramedical staff to have a secure access to health information. The Ethereum node is implemented on an embedded platform, which should provide an efficient, flexible, and secure system despite the limited resources and low power consumption of the multiprocessor platform.

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