Vivekanand Education Society's
Institute Of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Institute Name	Vivekanand Education Society's Institute Of Technology
India Ranking 2023 ID	IR-E-C-33895
Discipline	Engineering
Parameter	Patents Details 2021

1. **Modified ISO/IEC 25010 Quality attribute formulation with respect to Internet of things**

   Rohini Navnath Temkar

   Application No. 202011004108 A

   Date of published : 06/08/2021

Abstract- With the emerging technologies the smart devices and connectivity of the world has climbed up to a pinnacle. As a result, Internet of Things (IoT) applications arise to maximize connectivity with heterogeneous and enormous size of devices. The existing ISO 25010 model has not focused on the IoT application characteristics like a) intelligent hardware devices b) software-hardware collaboration c) networked, wireless and mobile connectivity d) remote monitoring for IoT devices e) Limited battery and memory. The current work introduces additional IoT application characteristics as compared to software applications and does the mapping of IoT application characteristics with ISO/IEC 25010 quality attributes. It also modifies and formulates ISO/IEC quality attributes with respect to IoT applications

2. A method and system for of rating and reward distribution on decentralized blockchain platform

Dr. Nupur Giri

Application No.201921034418

Date of published: 05/03/2021

Abstract-A method and system for rating and reward distribution on a decentralized blockchain platform wherein the recruiters may hire professionals with a reliable rating, as measured by a token (the reputation score). It serves as an evaluation of the users on the respective skill sets. Working professionals or students can ensure that their skills are evaluated by an unbiased majority, called evaluators. Evaluators whose responses get accepted are able to earn rewards with monetary value, such as, cryptocurrency, electronic wallet-based tokens, or any form of money widely accepted. The concept of a proof-of-skill, where a person becomes an evaluator when his reputation score is more than the average score of all the users in that particular skill. The evaluator receives rewards proportional to his score and the deviation of his score (for the claimant) from the mean of the scores as provided by other evaluators.

3. A System And Method For Blockchain Based Energy Trading

Dr. Nupur Giri

Application No.201921031929

Date of published: 12/02/2021

Abstract-A system and method for blockchain based energy trading, comprising the energy generating devices which generates and trades that energy with other energy generating devices. These devices can earn digital currency by validating the submitted transactions. Validation is an activity wherein a device can verify the authenticity of the transaction by investing its own compute time and resources. The digital currency indicates a device's stake in the ecosystem. The system and method for blockchain based energy trading comprises Block-Trade and Block-Gen modules, which allow the system to perform buying, selling and lending functionalities. The buying and selling of energy may be executed by a smart contract deployed on the blockchain. The system makes use of the supply-demand equilibrium model to dynamically calculate the digital currency equivalence of energy. The energy generating devices may also lend digital currency. The terms of the loan will be set by a smart contract.

4. System For Aiding Visually Impaired

Dr. Sharmila Siddhartha Sengupta

Application No.202021016810

Date of published: 22/10/2021

Abstract-The present disclosure relates to a system to monitor and implement COVID appropriate protocol, particularly to monitor appropriate face coverage and social distance. More particularly, the present invention monitors and implements COVID appropriate protocol using artificial intelligence.

5. System to Monitor and Implement COVID Appropriate protocol

Dr. Gresha Bhatia,Mrs Abha Tewari

Application No.202121021574

Date of published: 12/11/2021

Abstract-The present disclosure relates to a system to monitor and implement COVID appropriate protocol, particularly to monitor appropriate face coverage and social distance. More particularly, the present invention monitors and implements COVID appropriate protocol using artificial intelligence.

6. A novel wearable for detecting drowsiness among operator of heavy machinery/vehicles

Sangeetha Prasanna Ram

Application No.202121008470

Date of filing: 3/1/2021

Abstract:The present invention involves the design of a wearable that can be employed to detect drowsiness among operators of heavy machinery.

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