

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

---

---

निर्गमन सं. 28/2020  
ISSUE NO. 28/2020

शुक्रवार  
FRIDAY

दिनांक: 10/07/2020  
DATE: 10/07/2020

---

---

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

  
Registrar  
Amity University Madhya Pradesh  
Gwalior

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021024669 A

(19) INDIA

(22) Date of filing of Application :12/06/2020

(43) Publication Date : 10/07/2020

(54) Title of the invention : AN IMPACT OF YOGA IN PUBLIC WELLNESS USING MACHINE LEARNING

(51) International classification	:G06F 19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Dr. Venkatadri Marriboyina</b>
(32) Priority Date	:NA	Address of Applicant :Professor & Head, Dept. of CSE, Amity
(33) Name of priority country	:NA	School of Engineering & Technology, Amity University Madhya
(86) International Application No	:NA	Pradesh, Maharajpura Dang, Gwalior (MP) -474005 Madhya
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	<b>2)Dr. Pankaj Kumar Mishra</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Mr. Dinesh Sharma</b>
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	<b>1)Dr. Venkatadri Marriboyina</b>
Filing Date	:NA	<b>2)Dr. Pankaj Kumar Mishra</b>
		<b>3)Mr. Dinesh Sharma</b>

(57) Abstract :

Yoga is a thousand-year-old practice to improve public wellness in multi fold. It has got increasing importance to boost our immune system and decrease the inflammation in the body. Due to the advancements in information technology and its incredible role in healthcare research, we propose to employ revolutionary technologies & Internet of Things (IoT) to assist in public wellness to boost the immune system with regular practice of Yoga and Meditation. We intend to design a prototype model for yoga self-monitoring system to observe the well-being of a person with the help of machine learning techniques. The health status of an individual can be evaluated and predicted with the help of monitoring and recognizing their activities. An automated human activity recognition model collects yoga asanas poses data of a person regularly with smart sensors and actuators. The collected data will be sent to machine learning algorithm as training data to design a mathematical model. Training the machine learning algorithm to predict the labels from the features, turning it as a Yoga poses self-observatory system. The mathematical model monitors yoga asana and records the person<sup>TM</sup>s wellness on a regular interval of time. The output from the mathematical model is to train the model that can be used to inference, making predictions on new data points. This prototype model will be helpful for yoga self-practice and checks public wellness after certain number of days. This will enable us to promote Yoga education and create awareness with the real time monitoring device.

No. of Pages : 13 No. of Claims : 4

  
Registrar  
Amity University Madhya Pradesh  
Gwalior