

IPR Details of Faculties of Degree College of Physical Education

Sr. No.	Faculty Name	IPR Type
1	Dr. Shrinivas P. Deshpande	Design
2	Dr. Shrinivas P. Deshpande	Patent
3	Deepa P. Vaidya, Dr. Shrinivas P. Deshpande, Dr. Nitin Wankhade, Dr. Sanjay E. Yedey	Patent
4	Pranali Landge	Copyright
5	Dr. Sanjay E. Yedey	Copyright
6	Meenal Pande & Dr. Sanjay E. Yedey	Copyright
7	Meenal Pande	Copyright
8	Siddharth K. Ganvir	Copyright






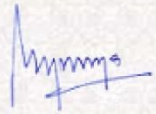
2. Dr. Shrinivas P. Deshpande Patent Publication




(12) PATENT APPLICATION PUBLICATION	(21) Application No.202421002014 A
(19) INDIA	
(22) Date of filing of Application :10/01/2024	(43) Publication Date : 16/02/2024
(54) Title of the invention : MACHINE LEARNING-BASED INTRUSION DETECTION AND PREVENTION SYSTEM FOR IOT ENVIRONMENTS	
(51) International classification :G06N0020000000, G06F0021550000, G06F0021600000, H04L0067120000, G06N0003040000	(71)Name of Applicant : 1)Priyanka V. Deshmukh Address of Applicant :Chandravir Apartment, Sonal Colony, Shegaon-Rahatgaon Road, Amravati ----- 2)Akash J. Wadate 3)Dr. S. P. Deshpande Name of Applicant : NA Address of Applicant : NA
(86) International Application No :NA Filing Date :NA	(72)Name of Inventor : 1)Akash J. Wadate Address of Applicant :Research Scholar, PG Department of Computer Science and Technology, HVPM, Amravati Amravati -- ----- 2)Dr. S. P. Deshpande Address of Applicant :Principal, Department of Computer Science and Technology, HVPM, Amravati Amravati -----
(87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA Filing Date :NA	
(62) Divisional to Application Number :NA Filing Date :NA	
(57) Abstract : The Internet of Things (IoT) has witnessed exponential growth in recent years, transforming the way we interact with technology. However, this rapid expansion has also exposed IoT ecosystems to an increased risk of cyber-attacks. In response to these threats, we present a novel approach for Attack Detection and Prevention in IoT Environments using machine learning techniques. Our research focuses on developing a robust classifier system, designed to identify and thwart malicious activities within IoT networks. Leveraging the power of machine learning, our system analyzes vast amounts of data generated by IoT devices, detecting anomalies and identifying attack patterns. This patent application encompasses a systematic review of existing IoT attack detection and prevention methods, highlighting their advantages and limitations. We delve into the phases of IoT botnet attacks and various attack scenarios within IoT environments, shedding light on the challenges faced in securing these ecosystems. Our primary objectives are to conduct state-of-the-art IoT attack research, employ diverse datasets for effective attack detection and prevention, and develop a prototype as a proof of concept. Our state-of-the-art approach captures attacker patterns, evaluating extracted data for intrusion detection and prevention effectiveness. Furthermore, we compare the performance of various machine learning models using standard classifier metrics, providing insights into the most efficient methods for safeguarding IoT networks. In summary, our invention offers a cutting-edge solution to enhance the security of IoT environments, paving the way for a safer and more secure future in the IoT landscape.	
No. of Pages : 14 No. of Claims : 6	

The Patent Office Journal No. 07/2024 Dated 16/02/2024





15924

4. Pranali Landge Copyright

		Extracts from the Register of Copyrights
		
Dated : 22/10/2021		
1. Registration Number	:	L-108613/2021
2. Name, address and nationality of the applicant	:	PRANALI LANDGE , GANESH VIHAR 2, NEAR KRISHNARPAN COLONY, AMRAVATI-444607-444607 INDIAN DR. S. S. SHEREKAR , NEW FREZER PURA POLICE STATION, ABHINAV SBI COLONY, CAMP, AMRAVATI-444602 INDIAN
3. Nature of the applicant's interest in the copyright of the work	:	AUTHOR
4. Class and description of the work	:	LITERARY/ DRAMATIC WORK LITERARY WORK
5. Title of the work	:	INTELLIGENT CYBER SECURITY SYSTEM
6. Language of the work	:	ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease	:	PRANALI LANDGE , GANESH VIHAR 2, NEAR KRISHNARPAN COLONY, AMRAVATI-444607-444607 INDIAN 17/09/2021 DR. S. S. SHEREKAR , NEW FREZER PURA POLICE STATION, ABHINAV SBI COLONY, CAMP, AMRAVATI-444602 INDIAN 17/09/2021
8. Whether the work is published or unpublished	:	UNPUBLISHED
9. Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10. Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11. Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	PRANALI LANDGE , GANESH VIHAR 2, NEAR KRISHNARPAN COLONY, AMRAVATI-444607-444607 INDIAN DR. S. S. SHEREKAR , NEW FREZER PURA POLICE STATION, ABHINAV SBI COLONY, CAMP, AMRAVATI-444602 INDIAN
12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13. If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15. If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16. If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article though an industrial process and, if yes, the number of times it is reproduced.	:	N.A.
17. Remarks, if any	:	
	22498/2021-CO/L	
	18/09/2021	
	18/09/2021	
DEPUTY REGISTRAR OF COPYRIGHTS		

   <div> <p>Extracts from the Register of Copyrights</p> <p>कॉपीराइट कार्यालय, भारत सरकार Copyright Office, Government Of India</p> <p>दिनांक: 12/07/2023</p> </div>	
1. पंजीकरण संख्या/Registration Number	L-129343/2023
2. आवेदक का नाम, पता तथा राष्ट्रियता Name, address and nationality of the applicant	SWATI DHOLE, DCPEH V.P.M COLLEGE, HANUMAN VYAYAM NAGAR, AMRAVATI-444605 INDIAN DR. S. E. YEDEY, DCPEH V.P.M COLLEGE, HANUMAN VYAYAM NAGAR, AMRAVATI-444605 INDIAN
3. कार्य के कॉपीराइट में आवेदक की रुचि की प्रकृति Nature of the applicant's interest in the copyright of the work	OWNER
4. कार्य का वर्ण और विवरण Class and description of the work	LITERARY/ DRAMATIC WORK SYNOPSIS ON PREDICTION OF DISEASES USING AYURVEDIC PRAKRITI TYPES BASED ON PATIENTS IMAGES & PHYSIOLOGICAL PARAMETERS A DEEP LEARNING APPROACH
5. कार्य का शीर्षक Title of the work	SYNOPSIS ON PREDICTION OF DISEASES USING AYURVEDIC PRAKRITI TYPES BASED ON PATIENTS IMAGES & PHYSIOLOGICAL PARAMETERS : A DEEP LEARNING APPROACH
6. कार्य की भाषा Language of the work	ENGLISH
7. लेखक का नाम, पता और राष्ट्रियता तथा यदि लेखक की मृत्यु हो गई है, तो : Name, address and nationality of the author and if the author is deceased, date of his decease	SWATI DHOLE, DCPEH V.P.M COLLEGE, HANUMAN VYAYAM NAGAR, AMRAVATI-444605 INDIAN DR. S. E. YEDEY, DCPEH V.P.M COLLEGE, HANUMAN VYAYAM NAGAR, AMRAVATI-444605 INDIAN
8. कार्य प्रकाशित है या अप्रकाशित Whether the work is published or unpublished	UNPUBLISHED
9. प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रियता Year and country of first publication and name, address and nationality of the publisher	N.A.
10. बाद के प्रकाशनों के वर्ष और देश यदि कोई हो, और प्रकाशकों के नाम, पता और राष्ट्रियता Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	N.A.
11. कार्य में कॉपीराइट सहित विभिन्न अधिकारों के अधिकारों के नाम, पता और राष्ट्रियता और जहाँ जहाँ के विवरण के साथ उनके अधिकारों की सीमा, यदि कोई हो Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	SWATI DHOLE, DCPEH V.P.M COLLEGE, HANUMAN VYAYAM NAGAR, AMRAVATI-444605 INDIAN DR. S. E. YEDEY, DCPEH V.P.M COLLEGE, HANUMAN VYAYAM NAGAR, AMRAVATI-444605 INDIAN
12. अन्य अधिकारों के नाम, पता और राष्ट्रियता, यदि कोई हो, जो अधिकार वाले : अधिकारों को सौंपने या अनुमति देने के लिए अधिकृत हो Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	N.A.
13. यदि कार्य एक 'कलात्मक कार्य' है, तो कार्य करने वाले व्यक्ति का नाम, पता और राष्ट्रियता सहित मूल कार्य का स्थान। (एक कलात्मक कार्य के मामले में कार्य पूरा होने का वर्ष भी दिखाया जाना चाहिए) If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown)	N.A.
14. यदि कार्य एक 'कलात्मक कार्य' है जो किसी भी वस्तु या सेवा के संबंध में उपयोग किया जाता है या उपयोग करने में सक्षम है, तो आवेदन में कॉपीराइट अधिनियम, 1957 की धारा 44 (क) के तहत (1) में आवेदन के अनुसार आवश्यक विवरणों के अलावा निम्नलिखित भी शामिल होना चाहिए। If the work is an 'Artistic work', which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision in Sub-Section (1) of Section 45 of the Copyright Act, 1957.	N.A.
15. यदि कार्य एक 'कलात्मक कार्य' है, तो यह या विषयवस्तु अधिनियम 2000 के तहत पंजीकृत है? यदि हाँ, तो विवरण दें If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	N.A.
16. यदि कार्य एक 'कलात्मक कार्य' है, तो डिजाइन अधिनियम 2000 के तहत एक डिजाइन के रूप में पंजीकृत होने में सक्षम है, तो क्या यह औद्योगिक प्रक्रिया के माध्यम से किसी वस्तु पर प्रयोग में लाया गया है और यदि हाँ, तो इसे प्रिंट करने पर पुनः प्रस्तुत किया गया है? If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000 whether it has been applied article through an industrial process and if yes, the number of it is reproduced.	N.A.
17. टिप्पणियाँ, यदि कोई हो/Remarks, if any	
दैनिक संख्या/Entry Number:	15900/2023-COI
आवेदन की तिथि/Date of Application:	10/06/2023
प्राप्ति की तिथि/Date of Receipt:	10/06/2023

8. Siddharth K. Ganvir Copyright

 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS	 Extracts from the Register of Copyrights	
प्रतिलिप्यधिकार कार्यालय, भारत सरकार Copyright Office, Government Of India दिनांक/Dated: 31/05/2024		
1. पंजीकरण संख्या/Registration Number	L-148654/2024	
2. आवेदक का नाम, पता तथा राष्ट्रीयता Name, address and nationality of the applicant	SIDDHARTH KRUSHNARAO GANVIR, KISHOR NAGAR, POST-RUKHMINI NAGAR, AMRAVATI 444606- 444606 INDIAN DR. S. P. DESHPANDE, 16, INDRAYANI COLONY, NEAR NEW PRABHAT COLONY, NAWATHE BADNERA ROAD, AMRAVATI 444607-444607 INDIAN	
3. कृति के प्रतिलिप्यधिकार में आवेदक के हित की प्रकृति Nature of the applicant's interest in the copyright of the work	AUTHOR	
4. कृति का वर्ग और वर्णन Class and description of the work	LITERARY / DRAMATIC WORK AGNIRAKSHAK IS A MODEL FOR FIRE SENSING AS WELL AS TO CONTROL THAT FIRE THROUGH A COMPLETELY ROBUST ELECTRONIC SYSTEM	
5. कृति का शीर्षक Title of the work	AGNIRAKSHAK	
6. कृति की भाषा Language of the work	ENGLISH	
7. रचयिता का नाम, पता और राष्ट्रीयता तथा यदि रचयिता की मृत्यु हो गई है, तो मृत्यु की तिथि Name, address and nationality of the author and if the author is deceased, date of his decease	SIDDHARTH KRUSHNARAO GANVIR, KISHOR NAGAR, POST-RUKHMINI NAGAR, AMRAVATI 444606- 444606 INDIAN DR. S. P. DESHPANDE, 16, INDRAYANI COLONY, NEAR NEW PRABHAT COLONY, NAWATHE BADNERA ROAD, AMRAVATI 444607-444607 INDIAN	
8. कृति प्रकाशित है या अप्रकाशित Whether the work is published or unpublished	UNPUBLISHED	
9. प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रीयता Year and country of first publication and name, address and nationality of the publisher	N.A.	
10. बाद के प्रकाशनों के वर्ष और देश, यदि कोई हों, और प्रकाशकों के नाम, पते और राष्ट्रीयताएं Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	N.A.	
11. कृति में प्रतिलिप्यधिकार सहित विभिन्न अधिकारों के स्वामियों के नाम, पते और राष्ट्रीयताएं और समनुदेशन करने या अनुज्ञापित करने के लिए अधिकृत हों Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	SIDDHARTH KRUSHNARAO GANVIR, KISHOR NAGAR, POST-RUKHMINI NAGAR, AMRAVATI 444606- 444606 INDIAN DR. S. P. DESHPANDE, 16, INDRAYANI COLONY, NEAR NEW PRABHAT COLONY, NAWATHE BADNERA ROAD, AMRAVATI 444607-444607 INDIAN	
12. अन्य व्यक्तियों के नाम, पते और राष्ट्रीयताएं, यदि कोई हों, जो प्रतिलिप्यधिकार वाले अधिकारों को समनुदेशित करने या अनुज्ञापित करने के लिए अधिकृत हों Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	N.A.	
13. यदि कृति एक 'कलात्मक कृति' है, तो कृति पर अधिकार रखने वाले व्यक्ति का नाम, पता और राष्ट्रीयता सहित मूल कृति का स्थान। (एक वास्तुशिल्प कृति के मामले में कृति पूरी होने का वर्ष भी दिखाया जाना चाहिए) If the work is an Artistic work, the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	N.A.	
14. यदि कृति एक 'कलात्मक कृति' है, जो किसी भी माल या सेवाओं के संबंध में उपयोग की जाती है या उपयोग किए जाने में सक्षम है, तो आवेदन में प्रतिलिप्यधिकार अधिनियम, 1957 की धारा 45 की उप-धारा (1) के प्रावधान के अनुसार व्यापार चिह्न रजिस्ट्रार से प्रमाणन शामिल होना चाहिए। If the work is an Artistic work which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (1) of Section 45 of the Copyright Act, 1957.	N.A.	
15. यदि कृति एक 'कलात्मक कृति' है, तो क्या यह डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत है? यदि हाँ, तो विवरण दें। If the work is an Artistic work, whether it is registered under the Designs Act 2000, if yes give details.	N.A.	
16. यदि कृति एक 'कलात्मक कृति' है, जो डिजाइन अधिनियम 2000 के तहत एक डिजाइन के रूप में पंजीकृत होने में सक्षम है, तो क्या यह औद्योगिक प्रक्रिया के माध्यम से किसी वस्तु पर प्रयुक्त की गई है और यदि हाँ, तो इसे कितनी बार पुनरुत्पादित किया गया है? If the work is an Artistic work, capable of being registered as design under the Designs Act 2000 whether it has been applied as a design through an industrial process and if yes, the number of times it is reproduced.	N.A.	
17. टिप्पणी, यदि कोई हो Remarks, if any		
आवेदन की तिथि/Date of Application:	30/03/2024	
आवेदक की संख्या/Diary Number:	9685/2024-CO-L	
 Registrar of Copyrights		