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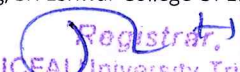
Invention Title	ANALYSIS OF FOREIGN TRADE POLICY TO PROMOTE THE DEVELOPMENT OF EXPORTS IN INDIA
Publication Number	25/2023
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Publication Type	INA
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Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	A61K 367400, C02F 032800, G06F 216200, G06Q 400400, H04L 410893
Inventor	

Name

Address

Dr. V. Sudha	Assistant Professor, Commerce, Karpagam Academy Of Higher Education, Coimbatore - 641032, Tamilnadu
Dr. Sunil Kumar	Assistant Professor, HOD, M.Com, Faculty of Management and Commerce, ICFAI University Tripura, Agartala 799210
Dr. Shariq Mohammed	Assistant Professor, Department of Accounting, College of Commerce and Business Administration, Dhofar Salalah, Sultanate of Oman
Dr. Sanjeev Malaviya	Associate Professor and Associate Dean, Management, The ICFAI University, Dehradun - 248011, Uttarakhand
Mrs. Manjula Durgadutt Vyas	Assistant Professor, Commerce, K.P.B.Hinduja College of Commerce, Mumbai - 400004, Maharashtra, India
Dr. Srinibash Dash	Associate Professor, School of Management, Gangadhar Meher university, Sambalpur - 768004, Odisha, India
Dr. S. Vennila Fathima Rani	Associate Professor, Department of commerce, Vels Institute of science technology and Advanced studies, Chennai
Dr. S. Jayakani	Associate, Professor, Department of commerce, Vels University, Pallavaram, Chennai
Dr. Manav Singh	Assistant Professor, Commerce, lucknow Christian Degree College, lucknow, Uttar Pradesh, India
Dr. Sweetly Regina Mary S	Assistant Professor & Head, Commerce & Accounting and Finance, Patrician College of Arts and Science, Chennai Tamil Nadu, India
Ms. Shibani Sharma	Assistant Professor, School of Management, Gangadhar Meher university, Sambalpur, Odisha -768004
Amit Das	Assistant Professor, Computer Science Engineering, The ICFAI University, Dehradun - 248011, Uttarakhand,
Dr. V. Kannan	Managing Director, CLDC Research And Development No.997, Mettupalayam Road, Near X-Cut Signal, R.S.P Coimbatore - 641002, Tamil Nadu, India
Mr. J. Logeshwaran	Research Scholar, Department Of Electronics And Communication Engineering, Sri Eshwar College Of Engin Coimbatore, Tamil Nadu, India

Applicant


Registrar
ICFAI University Tripura
Kamalghat, Tripura (West)

Name	Address
Dr. V. Sudha	Assistant Professor, Commerce, Karpagam Academy Of Higher Education, Coimbatore - 641032, Tamilnadu
Dr. Sunil Kumar	Assistant Professor, HOD, M.Com, Faculty of Management and Commerce, ICAI University Tripura, Agartala: 799210
Dr. Shariq Mohammed	Assistant Professor, Department of Accounting, College of Commerce and Business Administration, Dhofar Salalah, Sultanate of Oman
Dr. Sanjeev Malaviya	Associate Professor and Associate Dean, Management, The ICAI University, Dehradun - 248011, Uttarakhand
Mrs. Manjula Durgadutt Vyas	Assistant Professor, Commerce, K.P.B.Hinduja College of Commerce, Mumbai - 400004, Maharashtra, India
Dr. Srinibash Dash	Associate Professor, School of Management, Gangadhar Meher university, Sambalpur - 768004, Odisha, India
Dr. S. Vennila Fathima Rani	Associate Professor, Department of commerce, Vels Institute of science technology and Advanced studies, Chennai
Dr. S. Jayakani	Associate, Professor, Department of commerce, Vels University, Pallavaram, Chennai
Dr. Manav Singh	Assistant Professor, Commerce, lucknow Christian Degree College, lucknow, Uttar Pradesh, India
Dr. Sweety Regina Mary S	Assistant Professor & Head, Commerce & Accounting and Finance, Patrician College of Arts and Science, Chennai, Tamil Nadu, India
Ms. Shibani Sharma	Assistant Professor, School of Management, Gangadhar Meher university, Sambalpur, Odisha -768004
Amit Das	Assistant Professor, Computer Science Engineering, The ICAI University, Dehradun - 248011, Uttarakhand,
Dr. V. Kannan	Managing Director, CLDC Research And Development No.997, Mettupalayam Road, Near X-Cut Signal, R.S.P Coimbatore - 641002, Tamil Nadu, India
Mr. J. Logeshwaran	Research Scholar, Department Of Electronics And Communication Engineering, Sri Eshwar College Of Engin Coimbatore, Tamil Nadu, India

Abstract:

This research paper examines the various foreign trade policies implemented by the Indian government to promote the development of an overview of the Indian foreign trade policies, focusing on the liberalization of trade, the implementation of the World Trade Organization Facilitation, and the Foreign Trade Policy (FTP). The paper then discusses the impact of the various policies on the Indian economy, export balance of trade, and the impact on employment. Finally, the paper examines the challenges and opportunities presented by the Indian government to make the policy more effective in promoting export growth. The study concludes that the Indian government's foreign trade policy has made progress, but there is still much room for improvement. The paper recommends that the Indian government should pursue further liberalization of trade and the implementation of Trade Facilitation to further promote export growth.

Complete Specification

Description: Background problem for the Innovation

India's foreign trade policy is an important tool for promoting the development of exports. India is one of the world's largest exporters of goods and services. The policy is designed to encourage Indian businesses to become more competitive and to capture opportunities that exist. The policy has three main objectives, which are to promote the growth of exports, to promote the competitive balance of payments. To achieve these objectives, the policy includes measures such as export incentives, export promotion, and trade liberalization. Export incentives are one of the most important tools used to promote the growth of exports. These include subsidies, tax benefits, and other incentives. The incentives help exporters to reduce their costs and make their products more competitive. Additionally, they help to create a more favorable environment for exporters. Export promotion is another important component of the policy. This involves activities such as trade fairs, trade missions, and trade missions which help to create awareness about Indian products and services in foreign markets. Trade facilitation measures such as tariff reduction and the implementation of free trade agreements also help to promote exports. The policy also seeks to improve the balance of payments by reducing the trade deficit. This is achieved by providing incentives to importers, reducing trade barriers, and improving the balance of payments. The foreign trade policy of India has been successful in promoting the growth of exports and improving the balance of payments. However, there are still areas which require further reforms. For instance, the policy needs to be more comprehensive and better targeted to ensure that it is effective. Additionally, there is a need to focus on increasing the competitiveness of Indian exporters and reducing the cost of doing business. This will help to make India an even more attractive destination for foreign investors and exporters.

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Kamalghat, Tripura (West)

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Invention Title	THE ROLE OF FINANCIAL ATTITUDE IN THE RELATIONSHIP BETWEEN FINANCIAL KNOWLEDGE AND FINAN
Publication Number	52/2023
Publication Date	29/12/2023
Publication Type	INA
Application Number	202341083002
Application Filing Date	06/12/2023
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Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0040060000, G16H0010200000, G06Q0040040000, G06N0005020000, A61P0025280000
Inventor	

Name

Address

Dr. K. Ramasamy	Assistant Professor, Department of Commerce, Sri Krishna Arts and Science College, Coimbatore – 641008, Tamil
Dr. Sunil Kumar	Associate Professor, HOD, M.Com Faculty of Management and Commerce, ICFAR University Tripura, Kamalghat M Road Agartala, West Tripura-799210, India.
Dr. S. Arulraj	Associate Professor and Head, Department of Commerce, VET Institute of Arts and Science (co-ed) College, Thinc 638012, Tamilnadu, India.
Dr. P. Vellingiri	Associate Professor and Head, Department of Commerce (CA), VET Institute of Arts and Science (co-ed) College, 638012, Tamilnadu, India.
Dr.A. Amutha Nandhini	Associate Professor, School of Commerce, VET Institute of Arts and Science (co-ed) College, Thindal, Erode- 638012, India.
Dr. Veeramani. G	Associate Professor, School of Management Studies, Vels Institute of Science Advanced Studies (VISTAS), Pallavar 600117, Tamilnadu, India.
Dr. S. Arunkumar	Assistant Professor, Department of Business Administration, Adhiparasakthi Engineering College, Melmaruvathu Chennai, Tamilnadu, India.
Dr. D. Anbupriya	Associate Professor, Department of Commerce, VET Institute of Arts and Science College, Thindal, Erode- 638012 India.
Mrs. S. Mahalakshmi	Assistant Professor, Department of Commerce with Computer Applications, Sri Ramakrishna College of arts & Science Coimbatore-641006, Tamilnadu, India.
Dr. P Nathiya	Assistant Professor, Department of BCom Banking and Insurance, Sri Ramakrishna College of Arts and Science, Coimbatore- 641006, Tamilnadu, India.
Dr. S. Sathishkumar	Assistant Professor, Department of Commerce and Commerce (CA), Government Arts and Science College, Valpa 642127, Tamilnadu, India.

Applicant


Registrar,
ICFAR University Tripura
Kamalghat, Tripura (West)

Name	Address
Dr. K. Ramasamy	Assistant Professor, Department of Commerce, Sri Krishna Arts and Science College, Coimbatore – 641008, Tamil
Dr. Sunil Kumar	Associate Professor, HOD, M.Com Faculty of Management and Commerce, ICFAI University Tripura, Kamalghat M Road Agartala, West Tripura-799210, India.
Dr. S. Arulraj	Associate Professor and Head, Department of Commerce, VET Institute of Arts and Science (co-ed) College, Thinc 638012, Tamilnadu, India.
Dr. P. Vellingiri	Associate Professor and Head, Department of Commerce (CA), VET Institute of Arts and Science (co-ed) College, 638012, Tamilnadu, India.
Dr.A. Amutha Nandhini	Associate Professor, School of Commerce, VET Institute of Arts and Science (co-ed) College, Thindal, Erode- 638012, India.
Dr. Veeramani. G	Associate Professor, School of Management Studies, Vels Institute of Science Advanced Studies (VISTAS), Pallavar 600117, Tamilnadu, India.
Dr. S. Arunkumar	Assistant Professor, Department of Business Administration, Adhiparasakthi Engineering College, Melmaruvathu Chennai, Tamilnadu, India.
Dr. D. Anbupriya	Associate Professor, Department of Commerce, VET Institute of Arts and Science College, Thindal, Erode- 638012 India.
Mrs. S. Mahalakshmi	Assistant Professor, Department of Commerce with Computer Applications, Sri Ramakrishna College of arts & Sc Coimbatore-641006, Tamilnadu, India.
Dr. P Nathiya	Assistant Professor, Department of BCom Banking and Insurance, Sri Ramakrishna College of Arts and Science, Coimbatore- 641006, Tamilnadu, India.
Dr. S. Sathishkumar	Assistant Professor, Department of Commerce and Commerce (CA), Government Arts and Science College, Valpa 642127, Tamilnadu, India.

Abstract:

[06] The main aim of this research is to find out the level of Awareness and knowledge of investors about various investment avenues a will help to understand whether the literacy of an individual has any significant impact on investors while making any decision. Research the awareness of investors regarding financial products, financial technologies, and digital economy benefits. The research will help to g impacting the investor attitude and evaluate the significance of these attributes of attitude in the decision-making process of retail inve: scholars and researchers to carry out studies related to ~Financial Literacy and its impact on Decision Making. Accompanied Drawing [F 6] [FIG. 7] [FIG. 8]

Complete Specification

Description: The present invention relates to the new adaptive routing protocol for Internet of Things in mobile ad hoc networks.

[02] BACKGROUND OF THE INVENTION

Introduction

The aim of this study is to analyse the data collected through survey and convert it into useful information. This study includes comple through field work. The data was analysed through various statistical packages and tools i.e. IBM SPSS 20, IBM Amos and MS Excel. Th performed are presented systematically in this study.

Respondents Demographic Profile- Frequency Distribution

Gender

In the present study sample has approx. 72% Male (N=367) and 28% Female (N=144)

Age

The analysis shows that 2.35% (N=12) of the respondents are below 30 years of age, 59.3% (N=303) of them are in the age group 31 to respondents fall in the age group between 41 and 50 years and 3.13%(N=16) of the respondents are between 51 and 60.

Education qualification

The analysis also shows the highest level of education attempted by the respondents, where 47.16% are post graduates and above (n= 2 35% (n=12) respondents have completed higher secondary education. Respondents. who have completed diploma comprised of 2 9

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पेटेंट कार्यालय, भारत सरकार

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Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 443041
 आवेदन सं. / Application No. : 201831021501
 फाइल करने की तारीख / Date of Filing : 08/06/2018
 पेटेंटी / Patentee : Dr. Shantanu Acharya

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित **VENTILATED VERTICAL AXIS WIND TURBINE** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जून 2018 के आठवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **VENTILATED VERTICAL AXIS WIND TURBINE** as disclosed in the above mentioned application for the term of 20 years from the 8th day of June 2018 in accordance with the provisions of the Patents Act, 1970.



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अनुदान की तारीख : 04/08/2023
 Date of Grant :

Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जून 2020 के आठवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 8th day of June 2020 and on the same day in every year thereafter.

(54) Title of the invention : A METHOD FOR SECURE MESSAGE TRANSFER USING STEGANOGRAPHY WITH DYNAMIC COORDINATES

(51) International classification :G06F0021570000, G06F0021550000, H04L0009060000, H04L0051000000, H04W0088020000

(52) International Application :PCT//

Filing Date :01/01/1900

(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

(71)Name of Applicant :

1)Dr. Santanu Koley
Address of Applicant :S/o. Siba Prasad Koley, Professor, Department of Computer Science and Engineering, Haldia Institute of Technology, ICARE Complex, HIT Campus, Hatiberia, Haldia, Purba Medinipur – 721657, West Bengal, India. Haldia -----

- 2)Kankana Datta
- 3)Shatadru Sengupta
- 4)Bipasha Biswas
- 5)Apratim Mitra
- 6)Dr. Sk. Sahnawaj
- 7)Dr. Arindam Giri
- 8)Sanchita Saha
- 9)Arunangshu Pal

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Santanu Koley
Address of Applicant :S/o. Siba Prasad Koley, Professor, Department of Computer Science and Engineering, Haldia Institute of Technology, ICARE Complex, HIT Campus, Hatiberia, Haldia, Purba Medinipur – 721657, West Bengal, India. Haldia -----

2)Kankana Datta
Address of Applicant :D/o. Mr. Rabindra Chandra Datta, Assistant Professor, Department of Computer Applications, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

3)Shatadru Sengupta
Address of Applicant :S/o. Paramesh Sengupta, Assistant Professor, Department of Computer Applications, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

4)Bipasha Biswas
Address of Applicant :W/o. Samiran Mallick, Assistant Professor, Department of Computer Applications, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

5)Apratim Mitra
Address of Applicant :S/o. Dipak Kumar Mitra, Associate Professor, Department of Computer Applications, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

6)Dr. Sk. Sahnawaj
Address of Applicant :S/o. Sk. Ibrahim, Associate Professor, Department of Information Technology, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

7)Dr. Arindam Giri
Address of Applicant :S/o. Nilkanta Giri, Associate Professor, Department of Computer Science & Engineering, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

8)Sanchita Saha
Address of Applicant :W/o. Partha Biswas, Assistant Professor, Department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, Purba Medinipur - 721657, West Bengal, India. Haldia -----

9)Arunangshu Pal
Address of Applicant :S/o. Anil Chandra Pal, Assistant Professor, Department of Computer Science and Engineering, ICFAI University, Kamalghat, Mohanpur, Agartala - 799210, Tripura, India. Agartala -----

(57) Abstract :

In the interconnected landscape of today's digital world, the persistent threat of cybercrime poses a significant challenge. This invention addresses the vulnerability to third-party attacks, phishing, and unauthorized access by introducing a novel approach to secure message transfer through dynamic coordinate steganography. The system involves the creation of a unique number system using an innovative formula, resulting in a set of dynamic coordinates. These coordinates are then applied to conceal an actual message within various types of cover media using steganography techniques. The method ensures enhanced security by altering the coordinates before transferring the message and employs a recognizable algorithm for decoding at the predetermined receiver's end. This inventive system opens new avenues for scholars and researchers to explore a pioneering area of research in the realm of secure and covert communication.

No. of Pages : 27 No. of Claims : 7

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डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 382360-001
तारीख / Date : 27/03/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IOT BASED WEARABLE DEVICE FOR MONITORING OF VITAL INFORMATION** से संबंधित है, का पंजीकरण, श्रेणी **24-01** में 1.Dr. Nirmalya Kar 2. Dr. Smita Das 3.Dr. Subhrajyoti Deb 4.Udit Mamodiya के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **24-01** in respect of the application of such design to **IOT BASED WEARABLE DEVICE FOR MONITORING OF VITAL INFORMATION** in the name of 1.Dr. Nirmalya Kar 2. Dr. Smita Das 3.Dr. Subhrajyoti Deb 4.Udit Mamodiya.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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निर्गमन की तारीख/Date of Issue : 23/05/2023

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पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

(54) Title of the invention : AN ADVANCED MATHEMATICAL FRAMEWORK INTEGRATED QUANTUM-ENHANCED MACHINE LEARNING SYSTEM

(51) International classification :G06N0010000000, G06N0020000000, G06N0003040000, G06N0005000000, G06K0009620000

(56) International Application No :NA
 Filing Date :NA
 International Publication No :NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
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 Filing Date :NA

(71)Name of Applicant :
 1)Dr. Santanu Koley
 Address of Applicant :S/o. Siba Prasad Koley, Professor, Department of Computer Science and Engineering, Haldia Institute of Technology, ICARE Complex, HIT Campus, Hatiberia, Haldia, Purba Medinipur – 721657, West Bengal, India. Haldia -----
 2)Dr. Saikat Adhikari
 3)Dr. Imran Ali
 4)Ratan Kumar Basak
 5)Dr. Anirban Kundu
 6)Mohammed Abouelsoud
 7)Nivedita Ray
 8)Dr. Debapriya Banik
 9)Dr. Nabanita Das
 10)Nandan Banerji
 11)Sourav Banerjee
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
 1)Dr. Santanu Koley
 Address of Applicant :S/o. Siba Prasad Koley, Professor, Department of Computer Science and Engineering, Haldia Institute of Technology, ICARE Complex, HIT Campus, Hatiberia, Haldia, Purba Medinipur – 721657, West Bengal, India. Haldia -----
 2)Dr. Saikat Adhikari
 Address of Applicant :S/o. Sagarmay Adhikari, Chief Scientist, DREaD Co-Innovation Network Foundation, Buineha, Phulia, Nadia - 741402, West Bengal, India. Nadia -----
 3)Dr. Imran Ali
 Address of Applicant :S/o. Afsar Ali, Assistant Professor, Department of Engineering Mathematics, College of Engineering, Koneru Lakshmaiah Education Foundation (Deemed to be University), Vaddeswaram Campus, Guntur - 522302, Andhra Pradesh, India. Guntur -----
 4)Ratan Kumar Basak
 Address of Applicant :S/o. Rabindra Chandra Basak, Assistant Controller of Examination, Department of Controller of Examinations, University of Engineering and Management, University Area, Plot No. III - B/5, Main Arterial Road, New Town Action Area – III, Kolkata – 700160, West Bengal, India. Kolkata -----
 5)Dr. Anirban Kundu
 Address of Applicant :S/o. Rabindra Nath Kundu, Professor, 11/D, Balai Mistry Lane, Howrah - 711103, West Bengal, India. Howrah -----
 6)Mohammed Abouelsoud
 Address of Applicant :S/o. Mahmoud Abouelsoud, C. E. O., Apartment 1250N, 6809 Mayfield Road, Mayfield Heights, Ohio, USA - 44124. -----
 7)Nivedita Ray
 Address of Applicant :D/o. Anup Ray, C - 13/15, Manjulika A Co – Operative Housing Society Ltd., EKTP - IV, Kolkata - 700107 West Bengal, India. Kolkata -----
 8)Dr. Debapriya Banik
 Address of Applicant :S/o. Dilip Kumar Banik, Assistant Professor, ICFAI University, Kamalghat, Agartala - 799210, Tripura, India. Agartala -----
 9)Dr. Nabanita Das
 Address of Applicant :D/o. Bimal Das, Assistant Professor, Department of Computer Science and Engineering, Academy of Technology, Hooghly - 712121, West Bengal, India. Hooghly -----
 10)Nandan Banerji
 Address of Applicant :S/o. Nityananda Banerji, Assistant Professor, Department of Computer Science Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majhitar - 737136, Sikkim, India. Majhitar -----
 11)Sourav Banerjee
 Address of Applicant :S/o. Samar Banerjee, Assistant Professor, Department of Management, University of Engineering and Management, Gurukul, Sikar Road, Near Udaipuria Mod, Jaipur - 303807, Rajasthan, India. Jaipur -----

(57) Abstract :
 The present invention introduces a novel method and system for advancing machine learning algorithms through quantum computing paradigms and leveraging advanced mathematical frameworks. Traditional machine learning techniques often face limitations in handling complex data sets and optimizing models for high-dimensional feature spaces. In contrast, quantum computing offers unique capabilities in parallel processing and exploiting quantum phenomena to tackle computational challenges beyond the scope of classical computing. This patent-pending method integrates quantum computing techniques with advanced mathematical frameworks to enhance the efficiency and effectiveness of machine learning algorithms. By harnessing quantum superposition, entanglement, and interference, the proposed system enables rapid exploration of vast solution spaces, facilitating accelerated model training and optimization. Furthermore, the incorporation of sophisticated mathematical frameworks such as tensor analysis, differential geometry, and optimization theory amplifies the algorithm's adaptability to diverse data structures and problem domains. The system's versatility extends to both supervised and unsupervised learning tasks, including classification, regression, clustering, and dimensionality reduction. Through empirical validation and theoretical analysis, our method demonstrates significant performance gains in terms of computational speed, model accuracy, and scalability compared to classical machine learning approaches. This innovation represents a pivotal advancement in the field of machine learning, unlocking new frontiers for solving complex real-world problems across various industries, including healthcare, finance, and telecommunications.

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Handwritten Signature
 Registrar,
 ICFAI University Tripura
 Kamalghat, Tripura (West)

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(71)Name of Applicant :
1)Dr. Takhellambam Sonamani Singh
Address of Applicant :Assistant Professor (S3), Department of Comp. Sc. & Engg., MIT, Manipur University, Indo Myanmar Road, Canchipur, Imphal, Manipur, Pin-795003, India ----

2)Dr. Dalton Meitei Thounaojam
3)Dr. Amit Kumar Trivedi
4)Mayank Shekhar
5)Dr. Jasvinder Pal Singh
6)Dr. Saptarshi Chakraborty
7)Dr. Thounaojam Rupachandra Singh
8)Dr. Prasenjit Kumar Das
9)Dr. Usham Robinchandra Singh
10)Zeba Shamsi
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)Dr. Takhellambam Sonamani Singh
Address of Applicant :Assistant Professor (S3), Department of Comp. Sc. & Engg., MIT, Manipur University, Indo Myanmar Road, Canchipur, Imphal, Manipur, Pin-795003, India ----

2)Dr. Dalton Meitei Thounaojam
Address of Applicant :Assistant Professor, CSE Department, National Institute of Technology, 1st Floor, NIT Silchar, Silchar, Assam-788010, India -----

3)Dr. Amit Kumar Trivedi
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, Patiala, Punjab, India, Pin-147004 -----

4)Mayank Shekhar
Address of Applicant :Ph.D. Scholar, CSE Department, National Institute of Technology, 1st Floor, NIT Silchar, Silchar, Assam-788010, India -----

5)Dr. Jasvinder Pal Singh
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Central University of Jammu, Rahya Suchani, Distt. Samba, J&K, India, Pin- 181143, India ----

6)Dr. Saptarshi Chakraborty
Address of Applicant :Assistant Professor, ICFAI University, Tripura, Agartala, Tripura, Pin-799210, India -----

7)Dr. Thounaojam Rupachandra Singh
Address of Applicant :Assistant Professor, Department of Computer Science, Manipur University, Indo Myanmar Road, Canchipur, Imphal, Manipur 795003, India -----

8)Dr. Prasenjit Kumar Das
Address of Applicant :Assistant Professor, Department of Computer Science & Technology University of Engineering and Management, Kolkata, Newtown, Pin-700160, India -----

9)Dr. Usham Robinchandra Singh
Address of Applicant :Assistant Professor, Department of Computer Science, South East Manipur College, Komlathabi, Chandel District, Manipur, 795135, India -----

10)Zeba Shamsi
Address of Applicant :Ph.D. Scholar, CSE Department, National Institute of Technolog, CS-19, 1st Floor, NIT Silchar, Silchar, Assam-788010, India -----

(57) Abstract :

The present invention relates to an adaptive clustering method and system within Cognitive Radio Networks (CRN), specifically tailored for optimizing spectrum utilization in 5G applications. The invention includes a dynamic process for forming and managing clusters of secondary users (SUs) based on continuous real-time spectrum sensing and Quality of Service (QoS) requirements. Cluster heads are selected from among the SUs through criteria that consider their capability to manage the cluster and QoS maintenance. The invention ensures efficient spectrum allocation, minimizes interference with primary users, and dynamically adapts to changing network conditions. The adaptive clustering mechanism is designed to support diverse 5G service use cases, including enhanced mobile broadband, ultra-reliable low latency communications, and massive machine type communications, by adjusting operational parameters in real time to meet varying service demands. This results in an intelligent and flexible CRN capable of handling the complex and dynamic environment of 5G wireless communications.

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Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 107 204

Bezeichnung:

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(vocs), Benzin und Verschmutzung in Autoabgasen

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Inhaber/Inhaberin:

Banik, Hritinava, Agartala, Tripura, IN
Bhattacharjee, Debajyoti, Prof. , Agartala, Tripura, IN
Chakraborty, Ankita, Dr., Agartala, Tripura, IN
Chakraborty, Sekhar, Dr., Kunjaban, Tripura, IN
Hussain, Syed Arshad, Dr., Suryamaninagar, Tripura, IN
Majumdar, Swapan, Prof., Agartala, Tripura, IN
Paul, Ripa, Agartala, Tripura, IN
Sarkar, Surajit, Agartala, Tripura, IN
Suklabaidya, Sudip, Dr., Agartala, Tripura, IN

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Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Anmelder (7)

Name, Vorname / Firma lt. Handelsregister

Paul, Ripa

Research Scholar, Thin films and Nanoscience Laboratory, Department of Physics, Tripura University,
Suryamaninagar, Tripura

Straße, Hausnummer (kein Postfach!)

College tilla, P. O: Agartala College

Postleitzahl

799004

Ort

Agartala, Tripura

Land

IN

Telefon

Fax

E-Mail

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Anmelder (8)

Name, Vorname / Firma lt. Handelsregister

Banik, Hritinava

Research Scholar, Thin films and Nanoscience Laboratory, Department of Physics, Tripura University,
Suryamaninagar, Tripura

Straße, Hausnummer (kein Postfach!)

North Badharghat, A.D Nagar

Postleitzahl

799003

Ort

Agartala, Tripura

Land

IN

Telefon

Fax

E-Mail

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Anmelder (9)

Name, Vorname / Firma lt. Handelsregister

Dr. Chakraborty, Ankita

Department of Chemistry, The ICFAI University Tripura, Kamalghat, Mohanpur, Tripura

Straße, Hausnummer (kein Postfach!)

C/o Ajit Chakraborty, Dhaleswar, Nayapara, Kalyani PO: Agartala College

Postleitzahl

799004

Ort

Agartala, Tripura

Land

IN

Telefon

Fax

E-Mail

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Vertreter (1)

Name, Vorname / Firma

Ideas2ipr

Straße, Hausnummer / ggf. Postfach


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West)



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डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design

डिजाइन सी./Design No. 399331-001
तारीख/Date 06/11/2023

पारस्परिकता तारीख/Reciprocity Date*
देश/Country

प्रमाणित किया जाता है कि सलग्न प्रति में वर्णित डिजाइन जो **INTELLIGENCE QUOTIENT (IQ) LEVEL CHECKING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1. Dr. Prem Shankar Srivastava 2. Dr. Biplab Kumar Sarkar 3. Dr. Reena Singh 4. Vandana Singh के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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