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Inventor

Name	Address	Country
Himanshoo Tiwari	Assistant Professor/ B.Tech, Mangalmay Institute Of Engineering and Technology, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, 201310, India.	India
Dr. Indumathi R S	Associate professor, Department of Mathematics, Maharaja Institute of Technology Mysore, Belawadi, S.R.Patna Taluk, Mysore, Mandya, Karnataka -571477, India.	India
Dr.A.Thangam	Department of Mathematics, Pondicherry University Community College, Lawspet, Pondicherry, India.	India
Pinky Rajnath Prajapati	Assistant Professor, General Science and Humanities, Shah and Anchor Kutchii Engineering College, Mumbai, Maharashtra -400088, India.	India
Dr.A.Maheswari	Assistant Professor, Department of Mathematics, PPG College of Arts and Science, Coimbatore, Tamilnadu, India.	India
Dr.C.Jenita Nancy	Assistant Professor, Department of Mathematics, PPG College of Arts and Science, Coimbatore, Tamilnadu, India.	India
Mr. Hemraj Sharma	Assistant Professor, Department of Computer Science, Wilfred's P.G College, Jaipur, Rajasthan, 302020, India.	India
Tephillah S	AP/ECE, St.Joseph's Institute of Technology, Chennai ,600119, Tamilnadu, India.	India
Ms. Nitu Tank	Assistant Professor, Department of Computer Science, Wilfred's P.G College, Jaipur, 302020, Rajasthan, India.	India
Dr.D.Balraj	Assistant Professor Department of Mathematics Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	India
Ms. Priya Swami	Assistant Professor, Department of Computer Science, Wilfred's P.G College, Jaipur, Rajasthan,302020, India.	India
Ms. Seema Jain	Assistant Professor, Department of Computer Science, Wilfred's P.G College, Jaipur, Rajasthan, 302020, India.	India

Applicant

Name	Address	Country
Himanshoo Tiwari	Assistant Professor/ B.Tech, Mangalmay Institute Of Engineering and Technology, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, 201310, India.	India
Dr. Indumathi R S	Associate professor, Department of Mathematics, Maharaja Institute of Technology Mysore, Belawadi, S.R.Patna Taluk, Mysore, Mandya, Karnataka -571477, India.	India
Dr.A.Thangam	Department of Mathematics, Pondicherry University Community College, Lawspet, Pondicherry, India.	India
Pinky Rajnath Prajapati	Assistant Professor, General Science and Humanities, Shah and Anchor Kutchii Engineering College, Mumbai, Maharashtra -400088, India.	India
Dr.A.Maheswari	Assistant Professor, Department of Mathematics, PPG College of Arts and Science, Coimbatore, Tamilnadu, India.	India
Dr.C.Jenita Nancy	Assistant Professor, Department of Mathematics, PPG College of Arts and Science, Coimbatore, Tamilnadu, India.	India
Mr. Hemraj Sharma	Assistant Professor, Department of Computer Science, Wilfred's P.G College, Jaipur, Rajasthan, 302020, India.	India
Tephillah S	AP/ECE, St.Joseph's Institute of Technology, Chennai ,600119, Tamilnadu, India.	India
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Dr.D.Balraj	Assistant Professor Department of Mathematics Kongunadu College of Engineering and Technology Tiruchirappalli, -621 215, Tamilnadu, India.	India
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Ms. Seema Jain	Assistant Professor, Department of Computer Science, Wilfred's P.G College, Jaipur, Rajasthan, 302020, India.	India

Abstract:

A NOVEL APPROACH TO DESIGNING ROUTING ALGORITHMS USING GRAPH THEORY A method for the development of the speed sensor is adapted to receive a packe a speed of the IM connection and in response to the speed of the IM connection being above a threshold value, the speed sensor provides the packet to the optical p and in response to the relative speed being below the threshold value, the speed sensor provides the packet to the electrical path of the IM. It also benefits from a ca mechanism and detection of returning loops to provide effective forwarding while minimizing key consumption and achieving the desired utilization of network links. results are presented to demonstrate the validity and accuracy of the proposed solutions. Regular graphs are a type of graph that is highly structured and provides co network protection. This work introduces the concept of the volume cycle as a new design factor in program planning. The SOM is an unsupervised learning method layers and has proven effective in several research areas, such as clustering. In the routing problem, we use the Clarke and Wright technique to determine routes. In t work, we propose an improvement of the capacitated self-organizing map (CSOM) to optimize the location of depots and the Or-Opt algorithm to ameliorate the rout by Clarke and Write (CSOM&CW). FIG.1

Complete Specification

Description:A NOVEL APPROACH TO DESIGNING ROUTING ALGORITHMS USING GRAPH THEORY
Technical Field
[0001]   The embodiments herein generally relate to a method for a novel approach to designing routing algorithms using graph theory.
Description of the Related Art
[0002]   In order to exchange information, networks operate in accordance with a set of semantic and syntactic rules referred to as a protocol. One particular type protocol is the Transmission Control Protocol/Internet Protocol (TCP/IP). When a network operates in accordance with the TCP/IP protocol it is typically referred to a network. Significant progress in the development of quantum equipment has been reflected through a number of successful demonstrations of QKD networks but showing the clear suitability to assess how such networks compete with their classical counterparts under real-life conditions and in real-time traffic. A number of promising approaches using advanced technologies, with a significant potential for self-controlled complex systems, are currently developed in the scope of Industr activities. Industry 4.0 is the focal part of the high-tech strategy of the German government and describes the technological evolution from embedded systems to C Physical Systems (CPS). The LRP has become an active research area in the field of logistics optimization. Several extensions and different applications of LRP were developed, such as dynamic LRP and the LRP with time windows. This problem consists of finding the placement of a depot and routing between the customer and within allowable times, and LRP with pickup and delivery. Additionally, the implementation of a decentralized planning and control approach constitutes a convenie to manage the complexity that arises in individualized industrial production.
[0003]   When the networks correspond to IP networks, the router interconnects two computer networks that use a single network layer (layer 3) procedure but ma

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