

2021-22

Sr. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	:National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. R. J. Bhiwani	-	A Review on "Robust face anti spoofing detection system"	International Conference on Tech Trends in Science & Engineering	ICTTSE 22	International	25-26 Feb, 2022			Suryodaya COE &T, Nagpur
2	Prof. K.M. Punwatkar	-	"Sustainable water management using Internet of Things-Sustainable Aquatic Resources Management using Internet of Things"	Fourth International conference on Smart system and Inventive Technology	ICSSIT-2022	International	20-22 Jan, 2022			Francis Xavier Engineering college, Tirunelveli, India.
3	Dr.S.Y. Amdani	Muthukumar P., Sarkar D.K., De D., De C.K. (eds)	Agent-Based Path Prediction Strategy (ABPP) for Navigation Over Dynamic Environment	Innovations in Sustainable Energy and Technology. Advances in Sustainability Science and Technology		International	2021			Springer



4	Prof. Ms.P. B. Niranjane	Lecture Notes in Networks and Systems	A Novel Approach for Finding Invasive Ductal Carcinoma Using Machine Learning	Inventive Systems and Control Proceedings of ICISC 2021	5th International Conference on Inventive Systems and Control (ICISC 2021)	International	2021	ISSN 2367-3370/ ISBN 978-981-16-1394-4	JCT College of Engineering and Technology, Coimbatore, India	Springer Nature Singapore Pte Ltd.
5	Dr. S. Y. Amdani		Analysis of Various Network Traffic Classification Techniques for Cyber Security	Proceedings: International Journal of Scientific research in Computer Science, Engineering and Information Technology	International Conference on Artificial Intelligence and Machine Learning (ICAIML 2021),	International	25-26 August 2021	ISSN:2456-3307	SECAB Institute of Engineering & Technology, Vijayapura, Karnataka	International Journal of Scientific research in Computer Science, Engineering and Information Technology
6	Dr.S.Y. Amdani		Obstacle Collision Prediction model for Path Planning Using Obstacle Trajectory Clustering		3 rd Springer's International Conference on Data, Engineering and Applications (IDEA 2021)	International	08-09 Oct, 2021		Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal	Springer



7	Dr. S. Y. Amdani		“K-Simple Shortest Paths Algorithms”	Proceedings of IRAJ International Conference, Chennai, India, 01st May, 2022	International Conference on Smart	International	May-22	ISBN: 978-93-90150-31-1	INSTITUTE OF RESEARCH AND JOURNALS	Institute for Technology and Research (ITRESEARCH)
8	Dr. Ms.P.B.Niranjane		“K-Simple Shortest Paths Algorithms”	Proceedings of IRAJ International Conference, Chennai, India, 01st May, 2022	International Conference on Smart	International	May-22	ISBN: 978-93-90150-31-1	INSTITUTE OF RESEARCH AND JOURNALS	Institute for Technology and Research (ITRESEARCH)
9	Dr. S. Y. Amdani		Approach for Sentiment Classification: A Survey		International Conference on Artificial Intelligence and Machine Learning, SECAB	International	Aug-21		Institute of Engineering and Technology, Narasapur, Karnataka,	ijsrcseit
10	Dr. S. Y. Amdani		Comparison of Variants of Yen’s Algorithm for	2022 2nd International Conference on	IEEE	International	Jun-22	ISBN No - 978-1-6654-8404-6	K. L. E. Institute of Technology,	IEEE



			Finding K-Simple Shortest Paths”	Intelligent Technologies (CONIT) 24th – 26th June, 2022	2 CONIT 2022				Hubballi., Karnataka, India.	
11	Dr. S. Y. Amdani		“Finding Multiple paths with Diversity”	Second International Conference on Frontiers in Engineering Science and Technology (ICFEST - 2022),	International Conference on Frontiers in Engineering Science and Technology (ICFEST - 2022),	International	May-22		YENEPOYA INSTITUTE OF TECHNOLOGY, Thodar, Moodbidri - 574 225, D.K., Karnataka	ijsrcseit
12	Prof. Ms.P. B. Niranjane		Comparison of Variants of Yen’s Algorithm for Finding K-Simple Shortest Paths”	2022 2nd International Conference on Intelligent Technologies (CONIT) 24th – 26th June, 2022	IEEE 2 CONIT 2022	International	Jun-22	ISBN No - 978-1-6654-8404-6	K. L. E. Institute of Technology, Hubballi., Karnataka, India.	IEEE



13	Prof. Ms.P. B. Niranjane		“Finding Multiple paths with Diversity”	Second International Conference on Frontiers in Engineering Science and Technology (ICFEST - 2022),	International Conference on Frontiers in Engineering Science and Technology (ICFEST - 2022),	International	May-22		YENEPOYA INSTITUTE OF TECHNOLOGY ,Thodar, Moodbidri - 574 225, D.K., Karnataka	
14	Prof. Ms.P. B. Niranjane		Sustainable Water Management using Internet of Things	Proceedings of the Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT-2022).	4th International conference on Smart Systems and Inventive Technology (ICSSIT 2022)	International	Jan-22	ISBN: 978-1-6654-0117-3	Francis Xavier Engineering College, Tirunelveli, India.	IEEE



2021-22

1 **Title:-** A Review on “Robust face anti spoofing detection system”

Author:- Dr.R.J.Bhiwani

ROBUST FACE ANTI-SPOOFING DETECTION SYSTEM: AN REVIEW.

Authors Avinash Bajirao Lambat, RJ Bhiwani

Publication date 2022/7/1

Journal International Journal of Early Childhood Special Education

Volume 14

Issue 5

Description Automatically recognising people by their biometric characteristics is a well-established research area. Biometric systems are vulnerable to many different types of presentation attacks made by persons showing photo, video, or mask to spoof the real identity. This study introduces a novel approach to detect face-spoofing, by extracting the local features local binary pattern (LBP) and simplified weber local descriptor (SWLD) encoded convolutional neural network (CNN) models, WLD and LBP features are combined together to ensure the preservation of the local intensity information and the orientations of the edges. These two components are complementary to each other. Specifically, differential excitation preserves the local intensity information but omits the orientations of edges. On the contrary, LBP describes the orientations of the edges but ignore the intensity information, the proposed approach presents a very ...

2 **Title:-** Sustainable water management using Internet of Things-Sustainable Aquatic Resources Management using Internet of Things

Author:- Prof. K.M. Punwatkar

Sustainable Water Management using Internet of Things

Publisher: IEEE

Cite This

PDF

Vaishali B Niranjane ; Ashish Bhagat ; Krushil M. Punwatkar ; Kinnari Chaurey ; Pomima Niranjane All Authors

1

Cites in Paper

122

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Abstract

Abstract:

Document Sections

I. Introduction

II. Related Work

III. Proposed Work

IV. Methodology

A water management system with the internet of things approach is proposed for a framework, where a water network consisting of water pumps and valves at each node is connected to water tanks provided with level sensors which are controlled by an ESP-32 microcontroller which acts as an IoT platform. Output has been observed for different situations based on water availability of tanks. The whole process has been monitored through the blynk app. This research can be used to replace the conventional methods and would be more time-efficient, cost-effective easily monitored, and completely autonomous. This design is useful in many applications of water, sanitation, and industrial projects.



3 Title:- Agent-Based Path Prediction Strategy (ABPP) for Navigation Over Dynamic Environment

Author:- Dr.S.Y.Amdani

[Agent-Based Path Prediction Strategy \(ABPP\) for Navigation Over Dynamic Environment](#)

[SN Ajani](#), [SY Amdani](#)

Innovations in Sustainable Energy and Technology: Proceedings of ISET 2020, 2021 - Springer

Abstract

Probabilistic path planning is major problem in the field of navigation and can be solved by using various navigational methods or technique. Many researchers have designed, developed and implemented the same to solve the mentioned problem. These implemented methods is categorized into classical approaches such as road map technique (RM), Cluster decomposition (CD) and artificial potential field (APF), and inspired approach such as Fuzzy logic (FL), particle swarm optimization (PSO), genetic

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4. Title:- A Novel Approach for Finding Invasive Ductal Carcinoma Using Machine Learning

Author:- Prof. Ms.P. B. Niranjane

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[VB Niranjane](#), [K Punwatkar](#), [P Niranjane](#)

Inventive Systems and Control: Proceedings of ICISC 2021, 2021 - Springer

Abstract

Breast malignancy (invasive ductal carcinoma) is the commonest form of cancer found in women, and the fatality rate is high among them. Invasive ductal carcinoma diagnosis is a difficult task because it involves a doctor who scans the major diseases of the malignant region to ultimately identify high-risk areas. For quick detection of breast malignancy, there is a high scope of research in automated diagnostic system. Machine learning is an emerging field of science in data science that deals with how machines learn from

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5. Title:- Analysis of Various Network Traffic Classification Techniques for Cyber Security
Author:- Dr.S.Y.Amdani

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Analysis of Various Network Traffic Classification Techniques for Cyber Security

Namita Parati
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Dr Salim Y. Amdani
Department of CSE, Babasaheb Naik College of Engineering, Pusad, Maharashtra, India

Keywords: Machine Learning, Clustering, Classification, Network, Analysis

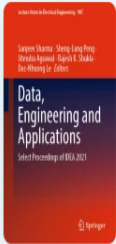


6. Title:- Obstacle Collision Prediction model for Path Planning Using Obstacle Trajectory Clustering
Author:- Dr.S.Y.Amdani

Home > Data, Engineering and Applications > Conference paper

Obstacle Collision Prediction Model for Path Planning Using Obstacle Trajectory Clustering



Conference paper | First Online: 12 October 2022
pp 99–111 | [Cite this conference paper](#)



Data, Engineering and Applications

Samir Ajani  & Salim Y. Amdani

 Part of the book series: [Lecture Notes in Electrical Engineering](#) ((LNEE, volume 907))

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7 Title:- K-Simple Shortest Paths Algorithms

Author:- Dr.S.Y.Amdani

Paper Title

K-Simple Shortest Paths Algorithms

Abstract

Abstract - The generalization of the shortest path called multiple paths, or k-shortest path, finds k paths where the first path is shortest, and the remaining k-1 paths are in increasing lengths. K shortest path may be simple or non-simple. K Shortest Path problems are usually solved using Yen's algorithm, M-P algorithm, KSP-SPR, Heuristic search, A* algorithm, V-F algorithm, Lawlers Algorithm, etc. This paper provides the analysis and comparative study of some of the top k simple shortest path algorithms, which are very helpful in finding the multiple paths in road networks. Keywords - K shortest paths, Simple paths, Path finding, Deviation path, Spur path, Root path, Multiple path.

Author - P.B.Niranjane, S.Y.Amdani

Published : [Volume-9,Issue-6 \(Jun, 2022 \)](#)

8 Title:- K-Simple Shortest Paths Algorithms

Author:- Prof.P.B.Niranjane

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Author - P.B.Niranjane, S.Y.Amdani

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9 **Title:-** Approach for Sentiment Classification: A Survey

Author:- Dr.S.Y.Amdani



International Journal of Scientific Research in Computer Science, Engineering and Information Technology

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Approach for Sentiment Classification : A Survey

Syed Saad Husain
Babasaheb Naik College of Engineering, Pusad, Maharashtra, India

Salim Y. Amdani
Babasaheb Naik College of Engineering, Pusad, Maharashtra, India

ISSN : 2455

10. **Title:-** Comparison of Variants of Yen's Algorithm for Finding K-Simple Shortest Paths

Author:- Dr.S.Y.Amdani

Conferences > 2022 2nd International Confer... ?

Comparison of Variants of Yen's Algorithm for Finding K-Simple Shortest Paths

Publisher: **IEEE**

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P.B. Niranjane ; S.Y. Amdani **All Authors**

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Abstract

Document Sections

I. Introduction

Abstract:

In directed and weighted graph, with n nodes and m edges, the K-shortest paths problem involve finding a set of k shortest paths between a defined source and destination pair where the first path is shortest, and the remaining $k-1$ paths are in increasing lengths. In K-shortest



11. Title:- Finding Multiple paths with Diversity

Author:- Dr. S. Y. Amdani

Finding Multiple Paths with Diversity

P.B.Niranjane¹, and S.Y.Amdani²

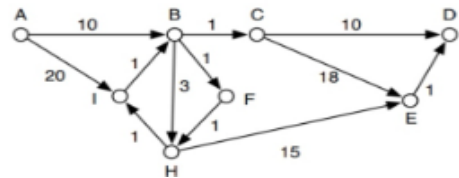
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salim_amdani@rediffmail.com

ABSTRACT—The shortest path problem is the problem of finding a path between two vertices (or nodes) in a graph such that the sum of the weights of its constituent edges is minimized. K shortest path problem is a generalization of shortest path problem. In KSP problem k shortest paths are calculated in a

domains but we are still interested in other types of path finding [13], [19], [22], [23].

The classical KSP problem [3],[9],[11],[15] returns k shortest path between a source and destination pair which has been widely used in many applications such as path recommendation , robotic motion planning[21].



12. Title:- Comparison of Variants of Yen’s Algorithm for Finding K-Simple Shortest Paths

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13. **Title:-** Finding Multiple paths with Diversity

Author:- Prof. Ms.P.B.Niranjane

Finding Multiple Paths with Diversity

P.B.Niranjane¹, and S.Y.Amdani²

¹Department of Computer Science and Engineering, B.N. College of Engineering, India

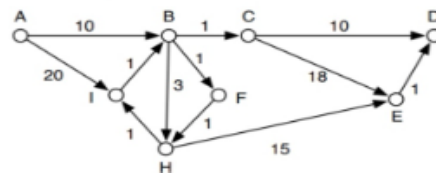
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² Department of Computer Science and Engineering, B.N. College of Engineering, India salim_amdani@rediffmail.com

ABSTRACT—The shortest path problem is the problem of finding a path between two vertices (or nodes) in a graph such that the sum of the weights of its constituent edges is minimized. K shortest path problem is a generalization of shortest path problem. In KSP problem k shortest paths are calculated in a

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14. **Title:-** Sustainable Water Management using Internet of Things

Author:- Prof. Ms.P.B.Niranjane

Sustainable Water Management using Internet of Things

Publisher: **IEEE**

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Vaishali. B Niranjane ; Ashish Bhagat ; Krushil M. Punwatkar ; Kinnari Chaurey ; Pornima Niranjane [All Authors](#)

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