

Dr.A.S.Karthik Kannan M.Tech., Ph.D., PDF
 Associate Professor,
 Department of Information Technology,
 Velammal College of Engineering and Technology, Madurai
 e-Mail Id: ask@vcet.ac.in

Education Profile

S.No	Degree	Year of Passing	Discipline/ Subjects	Board/ University	% Marks / CGPA	Class / Position
1.	Postdoc (Self-funded Full Time)	2023	MCDM Techniques and Metaheuristic Algorithms	Indian Institute of Technology Roorkee (IITR)	Recommended	NA
2.	Ph.D (Part Time)	2022	Efficacious metaheuristic approaches for intelligent decision making in software package and supplier selection problems	Anna University Chennai	Recommended	NA
3.	M.Tech	2010	Information Technology	Anna University Coimbatore	8.61 CGPA	First class with Distinction
4.	B.Tech	2005	Information Technology	Anna University Chennai	77.28	First class with Distinction

Experience Details

S.No.	Designation	Institution	Experience
1.	Associate Professor	Velammal College of Engineering and Technology	DOJ : June 2024
2.	Assistant Professor (Selection)	Mepco Schlenk Engineering College	01.08.2022 to 30.04.2024
3.	Assistant Professor (Senior)	Mepco Schlenk Engineering College	01.07.2014 to 30.07.2022
4.	Assistant Professor	Mepco Schlenk Engineering College	24.08.2010 to 30.06.2014
5.	Lecturer	Sethu Institute of Technology	01.03.2010 to 18.08.2010
6.	Lecturer	Syed Ammal Engineering College	09.01.2006 to 30.04.2008

Specialization	Multi Criteria Decision Making (MCDM) , Metaheuristic Algorithms
Achievements	Anna University Chennai has awarded the Certificate of Recognition on March 2023 for publishing Q1 Journal during the course of Ph.d Degree.

Subjects taught

S.No	Subject
1.	Software Engineering
2.	Object Oriented Analysis and Design
3.	Computer Programming
4.	Object Oriented Programming using C++
5.	System Software
6.	Decision Making Methods
7.	Principles of Soft Computing Techniques
8.	Introduction to Genetic Algorithm

Publications

SCI/Scopus Indexed Journals:

Author(s)	Title of Paper	Journal	Vol . No.	Page No.	Year
A. S. Karthik Kannan, S. Appavu alias Balamurugan Millie Pant	A Condensed Hybrid Feature Selector for Enhancing the Classifiers Performance using TOPSIS and Improved Rao Optimization	International Journal of Business Intelligence and Data Mining (Scopus) – Q3	25	210-238	2024
A. S. Karthik Kannan, S. Appavu alias Balamurugan , S.Sasikala	A customized metaheuristic approaches for improving supplier selection in intelligent decision making	IEEE Access (SCI) – Q1	9	56228 - 56239	2021
A. S. Karthik Kannan, S. Appavu alias Balamurugan, S.Sasikala	A novel software package selection method using teaching learning based optimization and multiple criteria decision making	IEEE Transactions on Engineering Management (SCI) – Q1	68	941-954	2019

International Journal

Author(s)	Title of Paper	Journal	Year
K. Niranchana Bharathi , A.S.Karthik Kannan	A novel approach for detecting real world forgeries in digital images	International Journal of Engineering Science and Computing	2014
A.S.Karthik Kannan, M.Bala, P.Ambiga, B.Suganya	Tracking pedestrians in videos of crowded scenes	OSIET Journal of Information Technology	2013

International Conferences

Author(s)	Title of Paper	Journal	Year
A.S.Karthik Kannan, S.Aswini, P.Christina Kirubai Sweety, K.Prathiba	Ranking of design alternatives by AGT Approach	International Conference on Computational Intelligence	2018
A.S.Karthik Kannan, S.Ishwariya, M.Jaya Shankari, M.Lakshmi Iswarya	A novel approach for decision making using variations of AHP	International Conference on Computational Intelligence	2018
R.Divya Bharathi, A.S.Karthik Kannan	Data partitioning method for mining frequent item set using mapreduce	International Conference on Applied Soft Computing Techniques	2017
R.Divya Bharathi, A.S.Karthik Kannan	FIUT: A method For mining frequent itemset Using mapreduce	International Conference on IoT, Data Science and Security	2017
M.Deepika, A.S.Karthik Kannan	Global supplier selection using Intuitionistic Fuzzy Analytic Hierarchy Process	International Conference on Electrical, Electronics, and Optimization Techniques	2016
A.S.Karthik Kannan, P.Thanapal	A hybrid evolutionary approach for optimal fuzzy classifier design	International Conference on Communication, Control and Computing Technologies	2010

National Conferences

Author(s)	Title of Paper	Journal	Year
A.Uma, V.Gayathri, B.Kavya Priya, A.S.Karthik Kannan	An approach to decision making using intuitionistic fuzzy preference relations	National Conference on Information and Computing Technologies	2015
G.Gomathi Priya, M.Asia Imrana, A.Kanmani, A.S.Karthik Kannan	Motion recognition for surveillance system	NICE 2013	2013
A.S.Karthik Kannan, K.Abinaya, S.Anjana Sivakami, D.Devipriya	ID barcode scanning with emulator and mobile phone using deformable templates	Signal Processing and Communication Technologies	2012

Patents

Inventors	Title of Patent	Status	Year
A.S.Karthik Kannan, Vinif Jeyasurya M , Siva Rama Sundar R	IOT based object tracking and alert system for absent minded people	Published	2022
A.S.Karthik Kannan, S.Appavu alias Balamurugan, S.Sasikala, K.Thirumoorthy, K.Sham Vishnu	IOT and machine learning based automated system for covid – 19 detection	Granted	2021

Research Fellowship

S.No	Nature of Training	From	To	Organization
1.	Summer Faculty Research Fellow Programme	15/05/2014	16/07/2014	Indian Institute of Technology Delhi

Seminars/Conferences/Workshops Organized

S.No	Title of the Program	From	To	Sponsoring Agency
1.	Emerging Trends in Metaheuristic Algorithms and its Application	23-05-2022	27-05-2022	Self-financed
2.	Blockchain Technology	17-08-2022	21-08-2022	AICTE
3.	Machine Learning Algorithms for IoT Applications	06-05-2019	08-05-2019	Self-financed
4.	Multi Criteria Decision Making Methods	04-12-2015	05-12-2015	Self-financed

Seminars/Conferences/Workshops Attended

S.No	Title of the Program	Organized by	From	To
1.	International Online Workshop on Literature Review: Narrative & Systematic	NSS Hindu College, Changanacherry	06-05-2022	06-05-2022
2.	Short term Course on Computational Mathematics for Scientist and Engineers	IIT Roorkee	10-06-2019	14-06-2019
3.	Applied Soft Computing: Theory and Practice	PSG College of Technology, Coimbatore	22-04-2019	28-04-2019
4.	Soft Computing Techniques in modeling and simulation for research in engineering and technology	Yeshwantrao Chavan College of Engineering , Nagpur	22-04-2013	03-05-2013



Dr.A.S.Karthik Kannan

Associate Professor , [Velammal College of Engineering and Technology](#).
Verified email at [vcet.ac.in](#)
MCDM [Metaheuristic Algorithms](#)

FOLLOWING

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i10-index	2	2

<input type="checkbox"/> TITLE	<input type="checkbox"/> CITED BY	<input type="checkbox"/> YEAR
<input type="checkbox"/> A customized metaheuristic approaches for improving supplier selection in intelligent decision making ASK Kannan, SAA Balamurugan, S Sasikala IEEE Access 9, 56228-56239	7	2021
<input type="checkbox"/> A novel software package selection method using teaching-learning based optimization and multiple criteria decision making ASK Kannan, SA alias Balamurugan, S Sasikala IEEE Transactions on Engineering Management 68 (4), 941-954	14	2019

