

FACULTY PROFILE



Name	Dr. K. UMAMAHESWARI
Father's Name / Mother's Name	R. Karunanithi / K. Sakiladevi
Date and Place of Birth	06.06.1982
Department	Computer Science
Current Designation & Grade Pay	Assistant Professor (STC)
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Academic Qualifications :

Examinations	Subject	Year of Passing	Name of the Board/ University
S.S.L.C.	English	1997	State Board
H.S.C.	Maths & Computer Science	1999	State Board
UG: B.Sc.	Computer Science	2002	Bharathidasan University
PG: M.C.A.	Computer Applications	2005	Bharathidasan University
SET/NET	-	-	

Research Degree(s)

Degrees	Subject	University	Title	Date of Award
M. Phil.	Computer science	Bharathidasan University	Image Processing	23.12.2007
Ph.D	Computer science	Bharathidasan University	Modified Firefly Algorithm for Intrusion Detection on Large scale Imbalanced Data	04.03.2019

Period of Teaching Experience : 7 Years and 8 Months

Designation	Period		Organization	Nature of Employment
	From	To		
Assistant Professor (STC)	02.01.2019	Till date	Avvaiyar Govt. College for Women, Karaikal	Contract Basics
Assistant Professor	21.06.2017	20.10.2017	St. Josephs College of Arts and Science, Thiruchirappalli	Temporary
Assistant Professor	16.06.2015	30.06.2016	E.G.S. Pillay Arts and Science, Nagaipattinam	Consolidated
Lecturer	01.03.2007	28.10.2009	RVS College of Arts and science	Consolidated
Lecturer	15.06.2006	31.10.2008	Stet Women's College	Consolidated
Lecturer	01.08.2005	14.06.2006	Rowther College for Women	Consolidated

Fields of Specialization under the Subject / Discipline

- (a) Data Mining
- (b) Machine Learning

Academic Staff College Orientation / Refresher Courses Attended :

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Orientation Course			
Refresher Course			

Research Publications :

Sl. No.	Title	Year	Journal/Book	Volume- Page with Impact Factor
1.	Multi-Level Hybrid Classifier for Intrusion Detection of Huge Imbalanced Data	2019	Journal of Testing and Evaluation	Volume 6, pp-1699
2.	Intrusion Detection on Large Imbalanced Data using Hybridized Firefly Algorithm (HFA)	2017	Journal of Advanced Research and Dynamical Control System,	Vol. 9, pp:1599-1612
3.	Machine Learning Algorithms in Network Intrusion Detection System	2015	International Journal of Applied Engineering Research,	Vol. 10 No.85
4.	Attack Detection System based on Hybridization of Data mining and Swarm intelligence Algorithms	2016	ARPN Journal of Engineering and Applied Sciences	VOL. 11, NO. 2,
5.	"Simulation of Data mining Classifiers (Bayes, Function, Tree) using Weka"	2015	Jamal Academic Research Journal	-
6.	Role of Data mining in insurance industry",	2015	An international journal of advanced computer technology,	-
7.	"A Survey on Data Mining Techniques for Customer Relationship Management	2014.	International Journal of Engineering, Business and Enterprise Applications	Vol, 1 ,pp. 55–61,

Papers Presented in National / International Conferences :

Sl. No	Topic	Conference	Organised By	Period
1.	Machine Learning Algorithms in Network Intrusion Detection System	International Conference on Modelling, simulation & control	Karpagam College of Engineering	15 th and 16 th October 2015
2.	Attack Detection System based on Hybridization of Data mining and Swarm intelligence Algorithms	International Conference on Modelling, simulation & control	Karpagam College of Engineering	15 th and 16 th October 2015
3.	Comparison of Classification accuracy using feature selection for Network Intrusion Detection System	International Conference on Research and Development in Information and Communication Technology	E.G.S. Pillay Engineering College, Nagaipattinam	8 th and 9th May 2015.
4.	“Simulation of Data mining Classifiers (Bayes, Function, Tree) using Weka	International Conference on Mathematical Methods and Computation	Jamal Mohamed College, Trichirappalli	2 nd and 3 rd May 2014.
5.	A Birds – Eye View of Swarm based Network Intrusion Detection System”,	National Conference on Next Gen-X Computer Applications and Technology,	SNMV College of Arts & Science, Coimbatore	10 th Feb 2016

Seminars/Webinars/Workshops/Conferences Attended:

Sl. No.	Seminars/Webinars/ Workshops/ Conferences	Organized By	Period
1.	3 rd National Conference on Future Computing”	Pondicherry University, Karaikal campus	13 th February 2014
2.	Workshop on “Modernization of bioinformatics and bigdata.	Anna Univeristy, BIT Campus, Thiruchirappalli sponsored by Ministry of Science & Technology, Government of India	19th to 26th December 2016
3.	Five Days Faculty Development Programme “Data Mining And Data Analysis”	National Institute Of Technology, Trichy	10 th March 2014 to 14 th March 2014.
4.	Six days “Faculty Developme programme” at from	Pondicherry university, Karaikal campus	27 th May 2013 to 1 st June2013.