

Kings College of Engineering

Department of Computer Science and Engineering

Name: Dr.S.M.Uma	 Scanned with CamScanner
Designation:	Head / Associate Professor
Qualification:	M.E., Ph.D.,
Area of Specialization:	Data Mining
Experience:	Teaching: 30 Yrs.
No. of workshop/Conferences/ FDP attended :	38
Publication:	Journal National: NIL International: 15
	Conference National: NIL International: 02
Membership:	ISTE Member IEEE Member
Achievements:	Best Paper Award

Paper Published:

S.NO	TITLE OF THE PAPER	JOURNAL PUBLICATION	MONTH/YEAR
1.	A New Hybrid Squirrel Search Algorithm And Invasive Weed Optimization Algorithm For Skin Lesion Cancer Classification	IRJET/ISSN:2395-0072	FEB/2020
2.	Skin Lesion Classification using Supervised Algorithm in Data Mining	IJTSD/ ISSN: 2456 - 6470	OCT/2019
3.	Advanced Botnet command and control traffic detection	IJECSTECH ISSN NO : 0974-2358	JULY/2019
4.	Autonomous car parking system	IJTCSE /ISSN 2349-1582	MARCH/2019.
5.	IoT-driven automated object detection algorithm for urban surveillance systems	IJTCSE Research /ISSN 2349-1582 conference publication	JUNE/2019
6.	Adaptive Beaconing Rate in Congestion control for Safety Vehicular Networks	International Journal of Advanced Research Methodology in Engineering & Technology, ISSN 2456-6446	MARCH/ 2019
7.	Pedometer and Calorie calculator for fitness tracking using mems digital accelerometer	International Journal of Applied Engineering Research, vol. 3, no. 6.	NOV /2018
8.	A hybridization of genetic and firefly algorithm technique for features selection in micro array gene data	International journal of innovation and advancement in computer science IJIACS PP:2317-8616 V-7, I-4	APRIL/ 2018

9.	Energy and Enriching the Faculties Effectiveness through Meetings and their accountability in Technical Education	International Journal Of Engineering Sciences & Research Technology	JULY/2017
10.	A Hybrid Meta Heuristic Dimensionality Reduction Technique For Microarray Gene Expression Data Classification	International journal of engineering & Science volume-6,issue-3	JUNE/2017
11.	Interference Aware and Energy Efficient Multihop in Underwater Acoustic Networks	International Journal of Emerging Technologies in Engineering Research (IJETER), Volume-5, Issue-4, A	APRIL/2017
12.	A Hybrid Heuristic Dimensionality Reduction Technique for Microarray Gene Expression Data Classification: A Blending of GA, PSO and ACO	IJDMM Inderscience publisher (Annexure – I)	JAN/2016
13.	A Novel Feature reduction Technique using GA-IWO for Micro Array Gene Data’, Journal of Medical Imaging and Health Information	JMIHI,vol.6, no. 8. (Annexure – I)	JUNE/2017
14.	A Hybrid Genetic Algorithm for Feature Selection in Micro Array Data’	International Journal of Applied Engineering Research, vol. 4, no. 4.	DEC/2014
15.	Intelligent heart disease prediction system using a New hybrid meta heuristic algorithm	IJERT, vol.1, no. 8.	JAN/2013
16.	A hybrid PSO with dynamic inertia weight and GA approachers for discovery classification rule in data mining’	IJCA, vol. 40, no. 17, pp. 32-37	DEC/2012
17.	Intelligent Heart Diseases Prediction System using a new Hybrid Metaheuristic Algorithm	IJERT,Volume 1, Issue 8	OCT / 2012

Conference Attended

1. Participated in national conference on “Emerging trends in computing, control and communication Technologies” presented a paper titled “Feature Selection technique using Hybridization of IWO and SSA for skin lesion cancer prediction” organized by Kings College of Engineering and Technology on 13th March 2020.
2. Participated in national conference on “Emerging trends in computing, control and communication Technologies” presented a paper titled “Enhancing the data security in cloud

using steganography” organized by Kings College of Engineering and Technology on 13th March 2020.

3. Participated in International conference on “Intellectual Research in Science, Engineering and Management” (ICIRSEM-2020) presented a paper titled “A new hybridization using metaheuristic algorithms for skin lesion cancer classification” organized by St.Joseph’s College of Engineering and Technology on 9th March 2020.
4. Participated in International conference on “Advanced Technologies in Power and Robotics Engineering” (IconPOWROBO-’20) presented a paper titled “Skin Lesion Classification using supervised algorithm in data mining” organized by Arasu Engineering College on 20th and 21st February 2020.
5. Participated in International conference on “Electrical, Information and communication Technologies” (ICEICT-2K’19) presented a paper titled “Advanced BOTNET command and control traffic detection” organized by M.A.M. College of Engineering on April 2019.
6. Participated in International conference on “Multidisciplinary Research” (ICMR-2K’19) presented a paper titled “Autonomous smart parking system” organized by Seventh Sense Research Group on 5th March 2019.
7. Participated in International conference on “Advances in information technology and networking” (ICATN’19) presented a paper titled “Advanced BOTNET command and control traffic detection” organized by Dr.G.R.Damodaran college of Science(Autonomous) on 8th February 2019.
8. Participated in International conference on “Recent innovation in Engineering, Science and Management” (ICRIESM-2K’18) presented a paper titled “A Hybridization of Genetic- Firefly algorithm algorithm technique for feature selection in micro array gene data” organized by Academic science at the engineers, India, Maharashtra state centre, Khadye Marg, Mumbai, Maharashtra, India on 8th April 2018.
9. Participated in national conference on “Advanced communication computing and power systems” presented a paper titled “Pedometer and calorie count for fitness using by apps and predict the medical diagnosis” organized by St.Joseph’s College of Engineering and Technology on 23rd March 2018.
10. Participated in International conference (code SLM-M18-05) on “Breakthrough in Engineering, Science & Technology - 2018” (IER – BEST’18) presented a paper titled “Adaptive beaconing rate in congestion control for safety vehicular networks” organized by Institute of Engineering Research on 23rd March 2018.
11. Participated in national conference on “Recent trends and technologies in computing” (NCRTTC ‘17) presented a paper titled “Energy efficient and intelligent aware multihop in underwater acoustic networks” organized by ArasuEngineering College on 22nd March 2017.
12. Participated in International conference on “Computation, communication and innovation” presented a paper titled “A hybrid meta heuristic dimensionality reduction technique for microarray gene expression data classification” organized by Alagappacheetiar college of Engineering and Technology, karaikudi on 25th, 26th October 2016.
13. Participated in national conference on “Advanced in Computing Technologies – NCACT’15” presented a paper titled “Failure Detection and Remote access for irrigation in agriculture” organized by Kings college of engineering on 10th March 2015.
14. Participated in national conference on “Recent trends in communication, Networking and computing – NCRNC’12” presented a paper titled “Data Mining: To predict the result by

analyzing their learning behavior of students using classification techniques ” organized by Kings college of engineering on 17th March 2012.

15. Participated in national conference on “Advanced in Computing Technologies and Applications – NCACT’12” presented a paper titled “Hybrid ACO and GA for shortest path in WMN” organized by Sri Muthukumaran Institute of Technology on 2nd March 2012.
16. Participated in national conference on “Advanced in Computing Technologies and Applications – NCACT’12” presented a paper titled “Group key agreement establishment using wired network ” organized by Sri Muthukumaran Institute of Technology on 2nd March 2012.
17. Participated in national conference on “Networks, Intelligence and Computing Systems” presented a paper titled “Discovery of association rules for hiding sensitive data” organized by Vivekananda College of Engineering for women on 1st and 2nd April 2009.
18. Participated in conference on “Advanced in Computing” presented a paper titled “An acknowledgement based approach for the detection of routing misbehavior in MALNETS” organized by Shanmuga, Arts, Science, Technology and Research Academy on 28th March 2009.

FDP Attended

1. Attended Faculty Development Programme on “Intelligent Big Data Analytics ”, organized by Department of Computer Science and Engineering , M.A.M college of Engineering, Trichy on 18-11-2019 to 30.11.2019
2. Attended Short term trainingProgramme on “Introduction to Network Security ”, organized by National Institute of Technical Teachers Training and Research, Kolkata on 24-06-2019 to 28.06.2019
3. Attended Short term trainingProgramme on “NBA accreditation ”, organized by National Institute of Technical Teachers Training and Research, Kolkata on 22-04-2019 to 26.04.2019
4. Attended Short term trainingProgramme on “Evaluating Students Performance and designing Question Papers ”, organized by National Institute of Technical Teachers Training and Research, Kolkata on 25-02-2019 to 01.03.2019
5. Attended Two days Faculty Development Programme on “Robotics and automation ”, organized by Department of Computer Science and Engineering , Kings college of Engineering, Punalkulam, Thanjavur on 22-02-2019 and 23.02.2019
6. Attended Faculty Development Programme on “Compiler Design ”, organized by Anna university, Chennai on 11-12-2017 and 17.12.2017
7. Attended Faculty Development Programme on “Research Methodology ”, organized by National Institute of Technical Teachers Training and Research, Kolkata on 24-09-2015 and 25.09.2015
8. Attended Short term trainingProgramme on “Microsoft.NET ”, organized by BayonTechnolohy Solutions, Kolkata on 15-05-2008 to 16.05.2008.

Workshop Attended

1. Attended one day workshop on “Innovative Pedagogy and ICT enabled Teaching and Learning Practices ”, organized by Department of IQAC , Kings college of Engineering, Punalkulam, Thanjavur on 10.01.2020.
2. Attended one day workshop on “Introduction to FOSS Technologies and Applications ”, organized by Department of CSE , Sudharsan Engineering college on 15.03.2008.
3. Attended one day workshop on “Mission10X ”, conducted atKings college of Engineering , Punalkulam.
4. Attended one day workshop on “T⁴ Opportunities and Challenges ”, organized by Department of CSE , K.Ramakrishnan college of Engineering, Trichy on 13.08.2010.
5. Attended one day workshop on “High Impact Teaching Skills”, conducted atMission10X, on31.08.2009 to 01.09.2009.
6. Attended one day workshop on “Fuzzy Logic and its applications ”, organized by Department of CSA and CSI , PeriyarManiammai University, Vallam, Thanjavur on 22.03.2010.
7. Attended two day workshop on “Research challenges in wireless sensor networks”, organized by Department of Software engineering and ISTE ,PeriyarManiammai University, Vallam, Thanjavur on 12.08.2011 and 13.08.2011.
8. Attended one day National seminar on “Research opportunities in cloud computing ”, organized by Department of CSE conducted atKings college of Engineering , Punalkulam.
9. Attended one day workshop on “NPTEL workshop”, conducted atNational programme on technology enhanced learning (IIT), on28.09.2012.
10. Attended two day workshop on “Android Apps Development”, organized by Department of Computer Science and engineering and IEEE Madras Section ,PeriyarManiammai University, Vallam, Thanjavur on 12.10.2016 and 13.10.2016.
11. Attended two day workshop on “Cloud computing Lab setup using Hadoop and Open Nebula ”, organized by Department of CSE conducted atTRP Engineering college , Trichy on 16.09.2016 and 17.09.2016.
12. Attended one day workshop on “LAMP on open source software ”, organized by Department of Computer Science and Engineering , Kings college of Engineering, Punalkulam on 25.06.2015.

Certificate of Appreciation

1. Appreciated “25th National Children’s Science congress-2017” acknowledge and honor the dedicated work for the theme “Science, Technology & Innovation for sustainable development with special emphasis on accessibility for persons with disabilities” as an evaluator/ resource person held on Kings College of Engineering.

2. Appreciated her active coordination in “Kings Project expo’ 2K18” held on Kings College of Engineering.

Achievements

1. Awarded for the appreciation of getting 100% results in the subject “Microprocessor and Microcontroller” in the academic year 2008-2009.
2. Awarded for the appreciation of getting 100% results in the subject “Information Security” in the academic year 2007-2008.
3. Awarded for the appreciation of getting 100% results in the subject “Mobile computing” in the academic year 2007-2008.
4. Awarded for the appreciation of getting 92.3% results in the subject “Computer Architecture” in the academic year 2006-2007.
5. Awarded for the appreciation of getting 100% results in the subject “Mobile Computing” in the academic year 2007-2008.
6. Awarded for the appreciation of getting 96.96% results in the subject “Operating Systems” in the academic year 2008-2009.
7. Awarded for the appreciation of getting 98.5% results in the subject “Microprocessor & Microcontroller” in the academic year 2008-2009.
8. Awarded for the appreciation of getting 93.9% results in the subject “Computer Architecture” in the academic year 2007-2008.
9. Awarded for the appreciation of getting 98.5% results in the subject “Microprocessor & Microcontroller” in the academic year 2009-2010.
10. Awarded for the appreciation of getting 100% results in the subject “Mobile Computing” in the academic year 2009-2010.
11. Awarded for the appreciation of getting 100% results in the subject “Microprocessor and Microcontroller” in the academic year 2010-2011.
12. Awarded for the appreciation of getting 100% results in the subject “Advanced Operating Systems” in the academic year 2010-2011.
13. Awarded for the appreciation of getting 100% results in the subject “Business & Industries Application of Pervasive Computing Technologies” in the academic year 2011-2012.
14. Awarded for the appreciation of getting 98.46% results in the subject “Result in data mining & Warehousing” in the academic year 2011-2012.
15. Awarded for the appreciation of getting 100% results in the subject “Data Mining and warehousing” in the academic year 2012-2013.
16. Awarded for the appreciation of getting 94.1% results in the subject “Mobile Computing” in the

academic year 2016-2017.

17. Awarded for the appreciation of getting 100% results in the subject "Cloud computing & services" in the academic year 2018-2019.
18. Awarded for the appreciation of getting 97.06% results in the subject "Multicore Architectures and Programming" in the academic year 2017-2018.