




<u>Department of Computer Science and Engineering</u>				
NAME	Dr. K. SATHISH KUMAR			
UNIQUE ID	FD2006			
DESIGNATION	PROFESSOR			
QUALIFICATION	B.E.,M.E.,Ph.D.,			
EMAIL ID	ksathish1980@gmail.com			
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EXPERIENCE	INDUSTRY	TEACHING	TOTAL	
	1 Year 2 Months	17 years6 Months	18 years 8 Months	
DATE OF JOINING THE INSTITUTION	25.08.2003			
RESEARCH FOCUS	Network Security			
SUBJECT COMPETENCY	Data Structures and Algorithms Object Oriented Programming Java Programming Design and Analysis of Algorithms Principles of Compiler Design			
NO OF JOURNAL PUBLICATION (INTERNATIONAL/NATIONAL)	06			
NO OF CONFERENCE ATTENDED (INTERNATIONAL/NATIONAL)	08			
NO OF BOOKS PUBLISHED	-			

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	Computer Science and Engineering	Madurai Kamaraj University	2002
PG	M.E	Computer Science and Engineering	Anna University Tiruchirappalli	2010
Ph.D	Ph.D	Computer Science and Engineering	Anna University, Chennai	2020

Details of Journal Publication:

1. Mr.K.Sathish Kumar,Dr.R.Sukumar“An Experimental Study on Energy Consumption of Cryptographic Algorithms for Mobile Hand-Held Devices” International Journal of Computer Applications (0975 –8887) Volume 40–No.1, February.
2. K. Sathish Kumar, R. Sukumar, S. Kharthikeyan, ”Efficient Authentication Protocols for Mobile Hand-held Devices with Minimum Power Consumption”, IOSR Journal of Computer Engineering (IOSR-JCE)e-ISSN: 2278-0661, -ISSN: 2278-8727Volume 9, Issue 2(Jan. -Feb. 2013), PP 41-45.
3. Mr.Sathish Kumar K, Sukumar R, Karthiyayini M,“ An Asymmetric Authentication Protocol for Mobile Hand held Devices using ECC over Point Multiplication Method”, International Journal of Advanced Research in Computer Science & Technology (IJARCST 2014), ISSN : 2347 -8446 (Online) ISSN : 2347 - 9817 (Print), Vol. 2 Issue Special 1 Jan-March 2014.
4. Sathish Kumar K, Sukumar R and Arunkumar G, “ECC Based Asymmetric Algorithm for Android Mobile Devices with Minimum Battery Consumption”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.43 (2015)
5. K. Sathish Kumar and R. Sukumar, ”Achieving energy efficiency using novel scalar multiplication based ECC for android devices in Internet of Things environments”,Cluster Computing, <https://doi.org/10.1007/s10586-017-1542-8>, January 2018.
6. Sathish Kumar K, Alangudi Balaji N, Guruprakash, “Efficient Elliptic Curve Cryptosystem with Expedite Point Multiplication Method for Resource Constrained Environments”, Solid State Technology. Vol. 63, No. 6, 2020 (Scopus Indexed).

Details of Conference attended:

1. Presented a paper on “Efficient Cryptographic Algorithm for Mobile Devices with Minimum Energy Consumption”, in the NATIONAL CONFERENCE on Recent Trends in Information technology on 5th March 2010 at RVS College of Engineering & Technology, Dindigul.
2. Presented a paper on “Efficient Cryptographic Algorithm for Mobile Devices with Minimum Energy Consumption”, in the INTERNATIONAL CONFERENCE on Computational Systems and Communication Technology on 8th May 2010 at Cape Institute of Technology, Triunelveli.
3. Presented a paper on “An Efficient Mobile Authentication Protocol for Wireless Communication”, in the DRDO Sponsored NATIONAL CONFERENCE on Hi-Tech Trends in Emerging Computational Technologies held on 29th & 30th March 2012 at Sethu Institute of Technology, Virudhunagar.
4. Presented a paper on “An Asymmetric Authentication Protocol for Mobile Hand-held Devices using ECC over Point Multiplication Method”, in the AICTE Sponsored INTERNATIONAL CONFERENCE on Hi-Tech Trends in Emerging Computational Technologies held on 20th & 21st February 2014 at Sethu Institute of Technology, Virudhunagar.
5. Presented a paper on “ECC Based Asymmetric Algorithm for Android Mobile Devices with Minimum Energy Consumption”, in the INTERNATIONAL CONFERENCE on Computational Intelligence held on 09th & 10th April 2015 at Sethu Institute of Technology, Virudhunagar.
6. Presented a paper on “Achieving Energy Efficiency using Scalar Point Multiplication Based ECC Android Devices for IoT Environments, in the INTERNATIONAL CONFERENCE on ICMR Sponsored IEEE International Conference on Science, Technology, Engineering and Management held on 3rd & 4th April 2017 at Kalaignarkarunanidhi Institute of Technology, Coimbatore.
7. Presented a paper on “An Adaptive Clustering Framework for Underwater Pipeline Monitoring Wireless Sensor Networks”, in 8th National Conference SITCON-2020 scheduled on 4th September 2020, as a virtual conference SITCON-2020, at Sethu Institute of Technology, Virudhunagar.

8. Presented a paper on “Brain Tumor Segmentation In Medical Image Using Fuzzy Corner Metric”, in 8th National Conference SITCON-2020 scheduled on 4th September 2020, as a virtual conference SITCON-2020, at Sethu Institute of Technology, Virudhunagar.