Sri Krishna College of Engineering and Technology
(An Autonomous Institution)
Kuniamuthur, Coimbatore – 641 00
Department of Information Technology

Research and Development

Funded Projects Applied

S.No	Project Title	Funded Agency	Duration	Cost	Investigator and Co-Investigator Details
1	A Predictive Model through Clinical Data Analytics to eradicate Hospital Acquired Infections(HAI) caused by Multi Drug Resistant (MDR) bacteria in Government Hospital environment	RPS - AICTE	3 years	Rs.21,05,500/-	Dr.J.Janet Principal Dr.S.Shankar Professor & Head
2	A Decision Support System For The Reclamation Of Waste Land Through Solid Waste Manure	WMT - DST	1 year	Rs.22,05,500/-	Dr.T.Senthilnathan Professor Ms.N.Susila Associate Professor Ms.J.Granty Regina Elwin Assistant Professor
3	MODRABS : Wireless Laboratory	AICTE	1 year	Rs.20,00,000/-	Dr.M Rajkumar Associate Professor

Ongoing Funded Projects

S.No	Project Title	Funded Agency	Duration	Cost	Investigator and Co-Investigator Details
1	Intelligent Farms	DST-IEDC	1 year	1,00,000	Dr.S.Shankar Professor & Head Praveen Kumar V - IV IT A Arjun KR - III IT A Harish M - III IT A Gayathri S - III IT A

Completed Funded Projects

S.No	Project Title	Funded Agency	Duration	Cost	Investigator and Co-Investigator Details
1.	A Study on Environmental Monitoring System(EMS) using WSN and its Implementation	AICTE Research Promotion Scheme	2014-2015	280000	Dr.N.K.Karthikeyan
2.	Expert System and E-Learning tool for the diagnosis of Nutritional deficiency in sugarcane crop	TNAU Coimbatore	2009	Appreciation	Dr S Shankar
3.	Voice Based Automated Wheel Chair for Handicap (Product Design)	TNSCST	2009	5000	Ms N Susila
4.	Resource Allocation in Multimedia cellular networks using optimization techniques and performance issues in IEEE 802.11 WLAN	CSI R&D	2006-2007	50000	Dr.N.K.Karthikeyan

Publication Details

S.No	Paper Title	Author Details	Name of the Journal	Volume and Page Number	Year of Publishing
1	Bridging the semantic Gap in semantic web service discovery through support vector machines and feedback mechanism	K.Venkatachalam, N K Karthikeyan	Middle-East Journal of Scientific Research	Vol.24, pp.2239-2246	2016
2	A Preference-Based Protocol for Trust and Head Selection for Cluster-Based MANET	Rajkumar Mylsamy	Wireless Personal CommunicationsSpringer US	Vol. 86 pp. 1611-1627	2016
3	Energy efficient extended FCFS load balancing in data centers of cloud	N.Susila	International journal of Applied Engineering Research	Vol. 11 pp.599-605	2016
4	Study of various routing protocols in MANETs	V. Saranya, S. Shankar, P. Nandhini, R. Jayanthi and R. Julliat Cessily	Int. J. Networking and Virtual Organisations	Vol. 15	2015
5	Human Surveillance And Alert System Using RFID	V.Saranya	International Journal of Advanced Research in Electronics and Communication Engineering	Vol.4 pp.2724-2729	2015
6	Signature Based Vulnerability Detection	Eswari T Lavanya S	Wireless Personal Communications		2015

	Over Wireless Sensor Network for Reliable Data Transmission		– Springer		
7	Predictive Methodology Diabetic Data Analysis in Big Data	Eswari T Lavanya S	Elseiver – Procedia – Computer Science		2015
8	Performance evaluation of scheduling schemes in Wireless sensor Networks	Shankar.S	International Journal of Applied Engineering Research	Vol. 10 pp.23326-23330	2015
9	A Survey on Real time Data Scheduling Schemes in Wireless sensor networks	Dr.S.Shankar	International Journal of Applied Engineering Research	Vol. 10 pp.8445-8451	2015
10	A Novel scheme for secure group communication in Multicast Network	S.Lavanya	International journal of security & networks-Inderscience publications	Vol. 10 pp.65-75	2015
11	Cloud Based Search Engine	G.Nithya	ARPN Journal of Engineering and Applied Sciences	Vol. 10 pp.2082-2087	2015
12	A Jumper Based Ant Colony Optimization For Software Project Scheduling And Staffing With An Event-Based Scheduler,	G.Nithya	International Journal of Emerging Technology and Advanced Engineering	Vol. 5, pp.378-383	2015
13	Green Algorithm for virtualizes cloud systems to optimize the Energy Consumption	K.S.Sangeetha	Journal of advances in Intelligent and Soft Computing Springer series	pp.701-708	2014
14	Medical Domain based Feature Selection using Rough set Reduct Algorithm	T.Keerthika	International Journal of Engineering Research & Technology (IJERT)	pp-68-73	2015
15	Adaptive Clustering and Routing using Fuzzy Decision model in WSN	Dr.N.K.Karthikeyan	International Journal of Mobile Network Design and Innovation	Vol 6 pp.51-62	2015
16	Performance evaluation of scheduling schemes in Wireless sensor Networks	Shankar.S	International Journal of Applied Engineering Research	Vol. 10, pp.23326-23330	2015

17	A Survey on Real time Data Scheduling Schemes in Wireless sensor networks	Dr.S.Shankar	International Journal of Applied Engineering Research	Vol. 10, pp.8445-8451	2015
18	A Provision of Secure Group Communication and Reduced Overheads in Grid Circumstances	Ms.S.Lavanya	Australian Journal of Basic and Applied Sciences	Vol 9, pp.204-210	2015
19	Predictive Methodology for Diabetic Data Analysis in Big Data	T.Eswari, S.Lavanya	Elsevier Proceedings Computer Science	Vol. 50 pp.203-208	2015
20	Security Based on Context –Aware Adaptive Routing In Delay Tolerant Mobile Ad Hoc Networks	V.Anand Kumar	Australian Journal of Basic and Applied Sciences	Volume 9, pp. 669-676	2015
21	Remote Data Auditing Scheme in Secured Cloud Storage Environment	Sangeetha.T	IJCSEC-International Journal of Computer Science and Engineering Communications	Volume 1, pp. 854-861	2015
22	Scheduling the Monitors for Efficient Data Capture in Cognitive Radio Networks for Network Forensics	Saranya G.V	International journal of Advanced Research Trends in Engineering and Technology (IJARTET)	Volume-II pp.106-111	2015
23	ANFIM: Adaptive Neuro Fuzzy Inference Model for Content Based Image Retrieval	S.Asha	International Journal of Applied Engineering Research	Volume 10, pp. 15475-15491	2015
24	Fuzzy Predicate petri net and T-invariant Analysis based Cloud service Recommendation using Cloud Service Ontology	Karthikeyan N.K	Publication of Book Journal, Mobile Computing A book of Readings	pp.200-212	2015
25	An Enhanced and Cost Effective Group Key Management Scheme for Multicast Network	S Lavanya	Journal of Computer Science (JCS)	Volume 9, pp.477-487	2013
26	A New Utility Emphasized Analysis for Stock Trading Rules	S Shankar	Intelligent Data Analysis	Vol 17 pp.271-294	2013

27	A Futuristic Approach to Mine High Utility Item sets from XML Database	S Shankar	Computing and Informatics Journal		2013
28	PaaSSER- PaaS Kind Service Searching and Ranking System based on PaaS Service Ontology	Dr.N.K.Karthikeyan	Wulfenia Journal KLAGENFURT	Vol 20 pp.97-107	2013
29	Design and Performance Analysis of Scalable and Efficient Group Key Management Scheme [SEGKMS] for Group Communication in Multicast Networks	S Lavanya	Life Science Journal	Vol. 10 pp.1468-1477	2013
30	An Elevated Approach for Privacy Protection in Knowledge Discovery,	Dr.N.K.Karthikeyan	International Journal of Research in Computer Application & Information Technology	Vol. 1 pp.96-101.	2013
31	Significant Analysis of Terms in Bootstrapping ontology for Web Services	K.Venkatachalam	International Journal of Scientific and Engineering Research	Vol. 4 pp.85-89	2013
32	SLCH-LEACH: Selective and Location Based Cluster Head - An Improved Energy Efficient Routing Protocol for Wireless Sensor Networks	Dr.N.K.Karthikeyan	European Journal of Scientific Research	Vol 99 pp.408-417	2013
33	Task Scheduling Algorithm based on Hybrid Particle Swarm Optimization in Cloud Computing Environment	Dr N.K.Karthikeyan	Journal of Theoretical and Applied Information Technology	Vol 55 pp-33-38	2013
34	From Data Warehouses to Streaming Warehouses: A Survey on the Challenges for Real-Time Data Warehousing and Available Solutions	Dr N.K.Karthikeyan	International Journal of Computer Applications	Vol. 81 pp.15-18	2013

35	An Overview on Performance Issues in Cloud Computing	Dr.N.K.Karthikeyan	International Journal of Engineering Research & Technology (IJERT)	Vol. 2 pp.2373-2378	2013
36	A Performance Analysis on Cluster Based Group Key Management Schemes in Multicast Network	S Lavanya	Achieves DES Science	Vol. 66 pp.137-149	2013
37	Performance Analysis Of Web Page Prediction With Markov Model Association Rule Mining (Arm) And Association Rule Mining With Statistical Features (Arm-Sf)	Ramya D	IOSR Journal of Computer Engineering (IOSR-JCE)	Vol. 8 pp 70-74	2013
38	Analysis of Web Page Prediction by Markov Model And Modified Markov Model with Association Rule Mining	Ramya D	IJCST(International Journal of Computer Science and Technology)	Vol. 4	2013
39	A comparative analysis of Markov model with association rule mining-statistical features for better web page prediction	Ramya D	International Journal of Mathematical Sciences and Engineering (IJMSE)	Vol. II, pp.46-50	2013
40	Randomized Multipath Routes for Secure Data Delivery in Wireless Sensor Networks	Saranya.V	International Journal of Latest Trends in Engineering and Technology (IJLTET)	Vol. 3 pp.225-232	2013
41	Efficient Mechanism to Discover Frequent Pattern over Online Data Streams	Ms G Shobana, Ms V Saranya Mr A Velusamy	International Journal of Engineering Research & Technology (IJERT),	Vol. 2 Issue 12, December 2013, pp.2306-2311	2013
42	A Novel Rule based Intrusion Detection framework for Wireless Sensor Networks	T.Eswari	Proceedings in IEEE Xplore	pp-1019-1022	2013

Consultancy Projects

S.No	Name of the Organization	Project Details	Duration	Cost	Team Members
1.	S & T Workshop. Southern Railways	WISE - Workshop Information SystEm	Oct 2015 to Jan 2016 (4 months)	**0.1 lakhs**	Dr. S. Shankar Ms.Ramalakshmi
2.	S & T Workshop. Southern Railways	Barcode Generation for Q Relays	Nov 2016 – till Date	**-**	Dr. S. Shankar Ms.Ramalakshmi
3.	S & T Workshop. Southern Railways	Management Information System (MIS) for Railways	Nov 2016 – till Date	**-**	Dr. S. Shankar Ms.Ramalakshmi