


Name of the Faculty	Dr. Sankar Sarma K V S S R S		
Designation	Professor		
Date of Joining	04-07-2022		
E - Mail	drkss@uohyd.ac.in / drss59@yahoo.com		
Educational Qualifications	Name of the Degree	Institute	Class
Ph. D	Doctor of Philosophy (Computer Science and System Engineering)	Andhra University, A.P.	Awarded
PG	M. TECH (Information Technology)	Punjabi University	First class with Distinction
UG	M.Sc. (Mathematics)	Andhra University, A.P.	First
Work Experience			
Teaching	16 Years		
Research	7 Years		
Industry	-		
Responsibilities held at the central level in college	<ul style="list-style-type: none"> Faculty – IT Services incharge, from 04-07-2022 to 30-11-2023. 		
Responsibilities held at the departmental level in college	<ul style="list-style-type: none"> Member Board of Studies, from 03-04-2018 to till date. UG Students Mentor & Internship mentor from 2022 to till Date. 		
Courses Handled at UG Level	<ul style="list-style-type: none"> Python Programming Network Security, data Structures, operating systems, Numerical Methods, Network Security and Cryptography. 		
Courses Handled at PG Level	<ul style="list-style-type: none"> Advanced Discrete Mathematics, Computer Algorithms for M. Tech Students. 		
Area of Research	<ul style="list-style-type: none"> Public key cryptography, Cloud computing security, Data security and algorithms 		
Research Guidance for M. Tech/ Ph. D Students	<ul style="list-style-type: none"> B.Tech (3), MCA (6) and M.Tech(13), Ph.D (1) JNTUK and Ph.D (1) A. U Awarded 		
Prominent Research Publications in Conferences	<ul style="list-style-type: none"> Malavika Joshi¹, Shada Manogna², Mrs. Beulah J Karthikeyan, and Dr. Sankara Sarma K V S S R S “Machine Learning-Based Credit Card Fraud Detection: Evaluating Standard and Hybrid Techniques with Majority Voting ” proc. of International 		

Conference on Advanced Applications of Technology and Management (**AATM-2023**), **India, 10th to 11th March, 2023.**

- Mahek Tikedar¹, Rallapalli Lakshmi Chandana², Mrs. Beulah J Karthikeyan³ and *Dr. Sankara Sarma KVSSRS “ Using multiple methods including Naïve Bayes, K-Nearest Neighbours, and Decision Tree Algorithms with Ensemble Learning to diagnose diabetes” proc. of International Conference on Advanced Applications of Technology and Management (**AATM-2023**), **India, 10th to 11th March, 2023.**
- N. Narendra kumar and K V S S R S S Sarma, “ Smart Phone Self Checkout Payments in Super Bazar” proc. of International Conference on Image Information Processing (ICIIP) Shimla, India, November 2019 . (**IEEE Xplore**).
- K V S S R S S Sarma, M. K Rao and P. S. Avadhani “ **A Model On Dynamic Threshold Multi-Secret Sharing Scheme using Pell’s Equation with Jacobi symbol** ” proc. of International Conference on Information Technology New Generation (ITNG-2013) Los Vegas USA, **April 2013. (IEEE Computer Society).**
- K V S S R S S Sarma and P. S. Avadhani “ **A Threshold Cryptosystem Using Pell’s Equation**” proc. of International Conference on Information Technology New Generation (ITNG) Los Vegas USA, **April 2011. (IEEE Computer Society).**
- K V S S R S S Sarma, Rukma Rekha N, and Subba Rao Y V “**Enhanced Key Life in Online Authentication Systems Using Virtual Password**” proc. of International Conference on Information Technology New Generation (ITNG) Los Vegas USA, **April 2011. (IEEE Computer Society).**
- K V S S R S S Sarma and P. S. Avadhani “**Pell’s equation based Cryptosystem for providing Confidentiality and Authentication**” proc. of International Conference on Statistics, Probability, Operational Research, Computer Science and Allied Areas conjunction with **IISA and ISPS** at A.U. Visakhapatnam, **January 2010.**
- K V S S R S S Sarma and P.S. Avadhani; “**Pell’s Equation based Cryptosystem for providing Authentication**”. Proc. of International conference on sensors, security, software and intelligent systems (ISSIS) **Coimbatore -2009.**

<p>Prominent Research Publications in Journals</p>	<ul style="list-style-type: none"> • Malavika Joshi¹, Shada Manogna², Mrs. Beulah J Karthikeyan, and Dr. Sankara Sarma K V S S R S “Machine Learning-Based Credit Card Fraud Detection: Evaluating Standard and Hybrid Techniques with Majority Voting” International Journal of System Design and Information Processing (SDIP), ISSN: (Print): 2319-9288 (Online): 2321-0591 • Mahek Tikedar¹, Rallapalli Lakshmi Chandana² , Mrs. Beulah J Karthikeyan³ and *Dr. Sankara Sarma KVSSRS “ Using multiple methods including Naïve Bayes, K-Nearest Neighbours, and Decision Tree Algorithmswith Ensemble Learning to diagnose diabetes” International Journal of System Design and Information Processing (SDIP), ISSN: (Print): 2319-9288 (Online): 2321-0591 • K V S S R S S Sarma with M K Rao and P. S. Avadhani “ A Method for obtaining Digital Signatures and Public key Cryptosystems using Pells Equation with Jacobi Symbol”, IJOART, Issue , February 2015. • K V S S R S S Sarma with M K Rao and P. S. Avadhani “Software Co-Design of Pells equation with Jacobi Symbol for SSL Protocol Execution ”, IJCTTCS Issue, January 2015. • K V S S R S S Sarma with Srikanth S and Harikrishna P “ Privacy Preserving Data Sharing with Anonymous ID Assignment Using AIDA Algorithm “ International Journal of Scientific Engineering and Technology Research (IJSETR) ISSN (Online): 2320-9364, ISSN (Print): 2319-8885 www.ijsetr.org Volume 03 Issue 23 September, 2014 PP.4707-4710. • K V S S R S S Sarma with M K Rao and P. S. Avadhani “An Identity Based Encryption Scheme based on Pell's Equation With Jacobi Symbol” International Journal of Research in Engineering and Science (IJRES) ISSN (Online): 2320-9364, ISSN (Print): 2320-9356 www.ijres.org Volume 1 Issue 1 May, 2013 PP.17-20. • K V S S R S S Sarma with M K Rao and P. S. Avadhani “A Model On Dynamic Threshold Proxy Digital Signature Scheme By Using Pell’s Equation With Jacobi Symbol For Multimedia Authentication ” International Journal of Engineering Science Invention(IJESI) ISSN (Online): 2319 - 6734, ISSN (Print): 2319 - 6726, Volume 2 Issue 1 January, 2013 PP.18-22. • K V S S R S S Sarma and P. S. Avadhani “Public Key Cryptosystem Based on Pell’s Equation Using the GNU MP Library” International Journal on Computer Science and Engineering (IJCSE)ISSN (online): 0975-3397, ISSN (print):2229-5631, Vol.3, No.1, pp643-648, January, 2011.
<p>Web of Science/Scopus ID/Orchid ID</p>	<p>-</p>

Google Scholar ID	-
H-Index (As per SCOPUS Database)	-
PROFESSIONAL MEMBERSHIPS	<ul style="list-style-type: none"> • Life member of Cryptology Research Society of India and • Life member of Indian Society for Rough sets
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops (Organized)	<ul style="list-style-type: none"> • National Instructional Workshop on “Cryptology” Conducted at College of Engineering (A), Andhra University, Visakhapatnam during 10th -12th March, 2017 as Coordinator. • National Instructional Workshop on “Cryptology” Conducted at College of Engineering Women’s Gayathri Vidya Parishat, Andhra University, Visakhapatnam during 23th -25th March, 2018 as Coordinator.
Details of Guest Talk / Resource Person activity	<ul style="list-style-type: none"> • Taught a course of I. T subject for the students of I M .Sc “ Optometry & Vision sciences” School of Medical Sciences,College for Integrated Studies, University of Hyderabad (May-July 2014) • As an Evaluator (IG - 5774) Advanced Discrete Mathematics for the MCA programme of MCS-033 course of Indira Gandhi National Open University, PUNE and CHENNAI Centers Since 2011. • As an Evaluator (IG - 5774) Advanced Discrete Mathematics for the MCA programme of MCS-033 course of Indira Gandhi National Open University, New Delhi, Since 2008.
Details of Reviewer / Advisory member in any academic process	<ul style="list-style-type: none"> • Reviewer for Chapter Title:-RSA-Public key Cryptosystems based on quadratic equations in Finite Field for the Text book titled :-Multidisciplinary Prospective in Cryptology and Information Security. • Reviewer/ advisory committee member on the technical program committee for the International Conference on Electrical, Computer, Power, and Control Engineering (ICECCPCE13). • Reviewer/ advisory committee member on the technical program committee for the 2nd IOCRSEM-2015 International conference. • Chair and Reviewer committee member on the Technical Program Committee for the 2nd MDHSS2015 International Conference.