


Profile

Name of the Faculty	Dr G Kalyani	
Designation	Associate Professor	
Department	CSE	
Area of Interest	IoT, Information Security, Networking	
Subjects Taught	MFCS, OOP, CD, TOC, CN,OS, ADS	
JNTUH Registration Id	33150406-151737	
College Staff Code	SC1578	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	SSC	General	Board of Secondary Education, Hyderabad	1999
2	Intermediate	MPC	Board of Intermediate Education, Hyderabad	2001
3	B.Tech	Computer Science and Engineering	JNTU, Hyderabad	2005
4	M.Tech	Computer Science	IETE, Hyderabad	2012
5	Ph.D	Computer Science and Engineering	REVA University, Bangalore	2021

Publications:

S. No.	Publication details
1.	Kalyani, G., and Shilpa Chaudhari, "Cross layer security MAC aware Routing for IoT Networks." - <i>wireless Personal Communications</i>
2.	Kalyani, G., and Shilpa Chaudhari, "Security aware Routing: Rule based attack detection on Optimal Shortest Route Selection." - <i>Ad Hoc and Sensor Wireless Networks</i> Vol.49.3-4:223-245,(2021).
3.	Kalyani, G., and Shilpa Chaudhari, "Enhanced Privacy Preservation in the Routing layer with Variable-length packet data for Attack Free IoT Sector " <i>Journal of Engineering Science and Technology Review</i> 14.1 (2021): 95-99.
4.	Kalyani, G., and Shilpa Chaudhari. "Data privacy preservation in MAC aware Internet of things with optimized key generation." <i>Journal of King Saud University-Computer and Information Sciences</i> (2019).
5.	Kalyani, G., and Shilpa Chaudhari, "An efficient approach for enhancing security in Internet of Things using the optimum authentication key." <i>International Journal of</i>

	<i>Computers and Applications</i> 42.3 (2020): 306-314.
6.	G.Kalyani, Shilpa Chaudhari, "Survey of Security Approaches in Internet of Things Solution Architectures for Communication Layer," - <i>Journal of Advance Research in Dynamical & Control Systems</i> , Vol. 11, 03-Special Issue, 2019.
7.	G.Kalyani, K. Krishna Jyothi, V.Prathyusha," A Comprehensive Study on Metaheuristic Techniques Using Genetic Approach"- <i>International Journal on Recent and Innovation Trends in Computing and Communication</i> , Volume 7, Issue 8, PP:23-31, 2019.
8.	R. Sai Sindhu Theja, G.Kalyani, K.Krishna Jyothi," Data Security in Cloud for Medical Sciences using AES 512-bit Algorithm" <i>International Journal on Recent and Innovation Trends in Computing and Communication</i> , Volume: 3 Issue: 4 1746 - 1749 in March 2015.
9.	Jyothi, K. Krishna, G. Kalyani, and T. Venkat Narayana Rao, "Approaches and Scenarios to Combat Cyber Crime."- <i>International Journal of Science, Engineering and Computer Technology</i> , Volume 4, issue 12 (2014).
10.	Kalyani, G., Jyothi, K. K., Rao, T. V. N., & Rambabu, D. "A Comprehensive Study of Mechanisms Dealing Credit Cards to Defy Social Engineering Crimes," <i>International Journal of Computer Trends and Technology</i> , Volume 19, Issue 1 – Jan 2015.
11.	R.Sai Sindhu Theja, G.Kalyani, G.Pragnavi, A Modified & Extended Security Quality for Requirements Engineering (SQUARE) Methodology into Standard Life-Cycle models, <i>International Journal of Computers and Distributed Systems</i> , Vol. No.2, Issue 1, December 2012.
12	International Conference on Data Science, Machine Learning and Applications- presented paper and published in Springer book chapter.

Experience:

Teaching	16
Industry	Nil
Research	Nil
Total Experience	16