



Dr. Ch. Asha Jyothi

Ph.D

Asst. Prof.

MISTE

Computer Science & Engineering

Areas of Interest:

Computer Networks, Information Security, Pairing-based cryptography, Block chain technology, Data Science, Mobile Ad hoc Networks, Verifiable Secret Sharing Schemes over bilinear maps, Web Technologies, Cloud Security, Programming languages, Linux Programming.

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- ▶ Educational & Professional

- ▶ Academic Qualifications

- ▶ Ph.D in CSE, JNTUH Hyderabad with Computer Networks (2011-2019)
- ▶ M.Tech in CSE, JNTUH College of Engineering Anantapur with First with Distinction (2001-2004)
- ▶ B.Tech in CSE, RGM College of Engineering and Technology, Nandyal with First with Distinction (1997-2001)
- ▶ Intermediate in MPC, Sri Sri Ventakeshwara Junior College, Nandyal with First with Distinction (1995-1997)
- ▶ SSC, St. Joseph's Girls High School, Nandyal with First with Distinction (1994-1995)

▶ Professional Experience

- ▶ Industrial Experience

- ▶ Senior Software Engineer, MindSoft CompuTech Pvt. Ltd., Vijaynagar, Hyderabad (2009 - 2009)
- ▶ Senior Subject Matter Expert, Amdocs, Magarpatta City, Pune (2008 - 2008)
- ▶ Software Developer, Baron Labs, Banjarahills, Hyderabad. (2007 - 2008)

- ▶ Teaching Experience

- ▶ Associate Professor, Sree Visvesvaraya Institute of Technology & Science, Mahabubnagar (31/08/2009 - 2010-07-17)
- ▶ Associate Professor, DRK Institute of Science and Technology, Bowrampet, R.R.Dist. (10/07/2007 - 2007-11-03)
- ▶ Assistant Professor, LBR College of Engineering, Mylavaram, Krishna Dist. (31/07/2006 - 2007-05-16)
- ▶ Assistant Professor, St. Johns College of Engineering and Technology, Yemmiganur, Kurnool Dist. (24/06/2003 - 2006-07-27)

- ▶ At JNTUH

- ▶ Assistant Professor, JNTUH College of Engineering Jagtial (2010 - Till Date)

- ▶ Publications

- International Journals

- ▶ Bandari Hema, Ch Asha Jyothi, *DISTRIBUTED BLOCKCHAIN SYSTEMS FOR EFFICIENT LOCAL SECRET SHARING*, The International journal of analytical and experimental modal analysis, ISBN No.ISSN NO:0886-9367, Vol No.XIII, Issue No.III, pp.1153-1160, March, 2021
- ▶ Mada Venkatesh Goud, Ch Asha Jyothi, *A NOVEL RELIABLE SCHEME FOR OUTSOURCED DATA STORAGE USING BLOCK CHAIN*, Journal of Interdisciplinary Cycle Research, ISBN No.ISSN NO: 0022-1945, Vol No.XIII, Issue No.III, pp.1251-1257, March, 2021
- ▶ SRINIVAS RAO. A, CH. ASHA JYOTHI, *AN EFFICIENT BLOCK CHAIN BASED SOLUTION FOR LARGE VOLUME OF TRANSACTION DATA WITH MULTI SECRET SHARING*, Complexity International Journal (CIJ), ISBN No.ISSN: 1320-0682, Vol No.25, Issue No.01, pp.1316-1324, March, 2021
- ▶ Anasuri Alana, Dr.Ch Asha Jyothi, *A SURVEY ON SMART HEALTH CARE SYSTEM IMPLEMENTATION USING BLOCK CHAIN*, Alochana Chakra Journal, ISBN No.ISSN NO:2231-3990, Vol No.IX, Issue No.XI, pp.600-610, November, 2020
- ▶ SUVARTHA JUNJUPALLI, Dr.CH ASHA JYOTHI, Dr.SURESH KUMAR SANAMPUDI, *HYPERPARTISAN NEWS DETECTION USING NAIVE BAYES MODEL*, The International journal of analytical and experimental modal analysis, ISBN No.ISSN NO:0886-9367, Vol No.XII, Issue No.VII, pp.1836-1840, July, 2020
- ▶ MD Afreeen, Ch Asha Jyothi, S Suresh Kumar, *Text Summarization for Hindi e-News Papers*, Dogo Rangsang Research Journal, ISBN No.ISSN : 2347-7180, Vol No.10, Issue No.7 No. 18, pp.199-205, DOGO RANGSANG, July, 2020
- ▶ Kalyani Reddy Erukonda, Ch. Asha Jyothi, S. Suresh kumar, *SENTENCE RANKING BASED SUMMARIZATION FOR TELUGU NEWSARTICLES*, Dogo Rangsang Research Journal, ISBN No.ISSN : 2347-7180, Vol No.10, Issue No.7 No. 18, pp.206-212, DOGO RANGSANG, July, 2020
- ▶ ERLAPALLY AJAI, CH ASHA JYOTHI, S SURESH KUMAR, *Detecting Hate Speech and Offensive Language on Social media using TFIDF based Approach in SVM*, The International journal of analytical and experimental modal analysis, ISBN No.ISSN NO:0886-9367, Vol No.XII, Issue No.VII, pp.1692-1699, July, 2020
- ▶ Asha Jyothi Ch, Narsimha G, *Two-Party Key Agreement Protocol Without Central Authority for Mobile Ad Hoc Networks*, International Journal of Information Security and Privacy, ISBN No.ISSN: 1930-1650|EISSN: 1930-1669, Vol No.13, Issue No.4, pp.68-88, IGI Global, DEC, 2019
- ▶ Ch. Asha Jyothi, G. Narsimha, *Cryptanalysis of Key Distribution Protocol based on WDH assumption*, International Journal of Computer Networks and Wireless Communications, ISBN No.2250-3501, Vol No.8, Issue No.3, pp.36-39, IRACST, May-June, 2018
- ▶ Asha Jyothi Ch, G. Narsimha, *Three-Party Key Agreement Protocol for Mobile Ad Hoc Networks*, Journal of Advanced Research in Dynamical and Control Systems, ISBN No.1943-023X, Vol No.10, Issue No.5, pp.1321-1329, Mar-Apr, 2018
- ▶ Ch. Asha Jyothi, G. Narsimha, J. Prathap, Gorti Vnkv Subba Rao, *Two-Party Threshold Key Agreement Protocol for Manets using Pairings*, Global Journal of Computer Science and Technology: E Network, Web & Security, ISBN No.0975-4350, Vol No.15, Issue No.4, pp.1-6, Global Journals Inc., July, 2015
- ▶ Ch. Asha Jyothi, G. Narsimha, J. Prathap, *Two-Party Key Agreement Protocol for MANETs based on Verifiable Secret Sharing Scheme*, International Journal of Applied Engineering Research, ISBN No.0973-4562, Vol No.10, Issue No.16, pp.36890-36894, Research India Publications, 2015
- ▶ Vijay Kumar Peddapally, Mrs. Ch. Asha Jyothi, Ande Sanjeev, *Intrusion Detection Model against DDOS Attack*, International Journal of Advanced Research and Innovation, ISBN No.2319-9245, Vol No.II, Issue No.2, pp.325-330, October, 2013

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International Conference

- ▶ Ch. Asha Jyothi, G. Narsimha, *One Round Two-Party Key Agreement Protocol for MANETs using Pairings*, 2nd International Conference on Recent Innovations in Engineering and Technology ICRIEAT-2017, Aurora's Scientific, Technological and Research Academy, Hyderabad published in Indian Journal Scientific Research, ISBN No.ISSN: 0976-2876 (Print) ISSN: 2250-0138(Online), Vol No.17, Issue No.2, pp.19-23, 2018
- ▶ Asha Jyothi Ch, G Narsimha, J Prathap, *A Novel Verifiable Secret Sharing Scheme over Bilinear Groups*, First Int. Conf. on Recent Innovations in Engg. and Technology (ICRIEAT-2016) BY Aurora's Scientific, Technological and Research Academy, Chandrayangutta, Hyderabad published in Online International Interdisciplinary Research Journal, ISBN No.ISSN 2249-9598, Vol No.07, pp.178-184, May, 2017
- ▶ Ch. Asha Jyothi, G. Narsimha, J.Prathap, *A TAXONOMY AND COMPARISON OF TWO-PARTY KEY AGREEMENT PROTOCOLS*, International Conference on Innovations and Advancements in Computing ICIAC-2016, IT & CSE Departments of School of Technology, GITAM University, Hyderabad published in International Journal of Research in Engineering and Technology, ISBN No.pISSN: 2321-7308, Vol No.05, Issue No.05, pp.66-70, May, 2016

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National Conference

- ▶ Ch. Asha Jyothi, G. Narsimha, *Elliptic Curve Cryptography Mechanisms*, National Conference on Recent Trends in Science and Technology NCRTST-2015, JNTUHCEJ, Karimnagar, ISBN No.978-93-82570-52-3, pp.215-218, Feb, 2015
- ▶ Ch. Asha Jyothi, *Mobile Technology and the Women*, National Conference on "Perspectives of Women in Multidisciplinary Areas", WAVE, JNTUHCEJ, Karimnagar, March, 2015
- ▶ Ch. Asha Jyothi, G. Narsimha, *A Study of Secure Routing Protocols in Mobile Adhoc Networks*, National Conference on Advanced Computing and Pattern Recognition-2014 (ACPR-14), Dept. of CSE, JNTUHCEJ, Karimnagar, ISBN No.978-93-83038-17-6, pp.408-413, January, 2014
- ▶ Ch. Asha Jyothi, *Launching Black Hole Attack in MANETs Depends on the Routing Protocol*, National Conference on Innovations in IT & Engineering, SVU, Tirupati, ISBN No.978-93-83083-19-0, pp.125-129, April, 2013

-> Events Participated/Organized

- Organized

-> Organized a Workshop on Two-day workshop on "National Android Developer Challenge 2013", Depts of CSE and IT, JNTUHCEJ, Karimnagar, 22-01-2013 to 23-01-2013

- Co-ordinated

-> Coordinated for a Symposium on *CEZAR-20*, Dept. of IT, JNTUH College of Engineering Jagtial, 11-03-2020 to 12-03-2020

-> Coordinated for a Symposium on *A Two Day National Level Student Technical Symposium CEZAR-2K19*, Dept of IT, JNTUHCEJ, Karimnagar, 29-03-2019 to 30-03-2019

-> Coordinated for a Symposium on *National Level Student Technical Symposium CEZAR-18*, Dept of IT, JNTUHCEJ, Karimnagar, 27-02-2018 to 28-02-2018

-> Coordinated for a Workshop on *National Level Workshop on Machine Learning using Python*, Dept of IT, JNTUHCEJ, Karimnagar, 24-03-2017 to 26-03-2017

-> Coordinated for a Symposium on *National Level Student Technical Symposium CEZAR-17*, Dept of IT, JNTUHCEJ, Karimnagar, 01-03-2017 to 02-03-2017

-> Coordinated for a Workshop on *National Level Workshop on Internet of Things*, Dept of IT, JNTUHCEJ, Karimnagar, 28-01-2016 to 29-01-2016

-> Coordinated for a Symposium on *National Level Student Technical Symposium SCENTORIEN 2K15*, Dept of IT, JNTUHCEJ, Karimnagar, 01-04-2015 to 02-04-2015

-> Coordinated for a Training on *National Network Security Championship NNSC-2014*, JNTUHCEJ, Karimnagar, 25-03-2014 to 26-03-2014

-> Coordinated for a Symposium on *Two-day national level technical symposium "SCENTORIEN 2K13"*, Dept of IT, JNTUHCEJ, Karimnagar, 02-04-2013 to 03-04-2013

- Resource Person

-> Resource Person in a FDP on *C & Data Structures*, Dept. of CSE and IT, JNTUHCEJ, Karimnagar, 02-01-2012 to 07-01-2012

-> Resource Person in a Workshop on *ELERY 11 (Five Day National Workshop on E-Learning Empowerment for Rural Youth)*, Departments of CSE and IT, JNTUHCEJ, Karimnagar, 24-03-2011 to 28-03-2011

- Participated

-> Participated in a Refresher Course on *Two Weeks Online Certificate Course on "AI & Machine Learning for IoT/EDA"*, Organized by the Electronics and ICT Academies at MNIT Jaipur and NIT Patna, 07-03-2022 to 17-03-2022

-> Participated in a Training on *Industrial Training in Data Science using Python*, NSIC, A Govt. of India Enterprises, Hyderabad, Telangana, 17-05-2021 to 31-05-2021

-> Participated in a Training on *Artificial Intelligence & Machine Learning Using Python*, 2 Weeks Online Industrial Training by Finland Labs (A Unit of Revert Technology Pvt. Ltd.), 05-04-2021 to 16-04-2021

-> Participated in a Refresher Course on *Programming in Internet of Things*, JNTUH College of Engineering Jagtial, 2 Weeks 23-11-2020 to 28-11-2020 and, 07-12-2020 to 12-12-2020

-> Participated in a Conference on *Empowering the Teachers*, Online by ICSI, 07-09-2020 to

-> Participated in a FDP on *AI & Deep Learning*, Online by TASK and 360DigiTMG, 17-08-2020 to 28-08-2020

-> Participated in a FDP on *Advanced Data Science & Applications*, Online by Malla Reddy Engineering College for Women, 17-08-2020 to 28-08-2020

-> Participated in a FDP on *Blockchain Technology*, Online by TASK & IDS Inc., 04-08-2020 to 06-08-2020

-> Participated in a FDP on *Data Science*, Online by ExcelR & TASK with Internship Project, 01-07-2020 to 24-07-2020

-> Participated in a FDP on *R Programming*, Online by Sridevi Women's Engineering College in association with Spoken Tutorial IIT-Bombay, 29-06-2020 to 03-07-2020

-> Participated in a FDP on *Industrial IOT & Intelligent Connectivity using RASBERRY PI*, Online by Malla Reddy Engineering College for Women with Pantech e-Learning, 25-06-2020 to 27-06-2020

-> Participated in a Training on *(One-Week online Short Term Course) Cyber Security and Forensics*, HRDC, JNTUH Hyderabad, 15-06-2020 to 20-06-2020

-> Participated in a FDP on *Cyber Security*, Online by Malla Reddy Engineering College for Women, 10-06-2020 to 14-06-2020

-> Participated in a FDP on *Moodle Learning Management System*, Online by JNTUH College of Engineering Sultanpur with Spoken Tutorial IIT Bombay, 10-06-2020 to 15-06-2020

-> Participated in a Workshop on *NAAC & NBA Accreditation*, JNTUH College of Engineering Jagtial, 26-01-2020 to 27-01-2020

-> Participated in a Workshop on *Data Science using Python*, Dept. of CSE, JNTUHCEJ, Karimnagar, 20-02-2018 to 21-02-2018

-> Participated in a FDP on *Cyber Security*, E&ICT Academy, NIT Warangal, 19-12-2017 to 24-12-2017

-> Participated in a FDP on *Network Simulation using Qualnet Software*, JNTUHCEJ, Jagtial, 14-09-2017 to

-> Participated in a Refresher Course on *Strategies for Research Oriented Teaching*, JNTUH UGC-HRDC, Hyderabad, 05-06-2017 to 24-06-2017

-> Participated in a Workshop on *Outcome based Education & Accreditation*, Dept. of CSE, JNTUHCEJ, Karimnagar, 19-10-2016 to

-> Participated in a Workshop on *One Week National Level Workshop on "Big Data Analytics"*, Dept. of CSE, JNTUHCEJ, Karimnagar, 14-12-2015 to 20-12-2015

-> Participated in a Workshop on *Pre-Conference Workshop on Advanced Computing and Pattern Recognition ACPR-14*, Dept. of CSE, JNTUHCEJ, Karimnagar, 01-07-2014 to

-> Participated in a Workshop on *Information and Web Application Security*, Dept. of ECE, JNTUHCEJ, Karimnagar, 20-03-2014 to 21-03-2014

-> Participated in a Workshop on *A Three Day National level Workshop on Network Simulation using NS2*, Dept of IT, JNTUHCEJ, Karimnagar, 05-03-2014 to 07-03-2014

-> Participated in a Refresher Course on *Summer School on Research Methodology*, JNTUHCEJ, Karimnagar, 11-06-2012 to 30-06-2012

-> Participated in a Orientation Course on *24th ORIENTATION COURSE*, UGC-ASC JNTUH HYDERABAD, 16-11-2011 to 14-12-2011

-> Participated in a Workshop on *National workshop on "Perspectives in Teaching - A Multi Dimensional Approach to enhance pedagogical skills in professional Teachers"*, Dept. of English & Humanities, JNTUHCEJ, Karimnagar, 01-04-2011 to 02-04-2011

-> Participated in a Workshop on *National Workshop on Network Simulators For Wired And Wireless Networks With Security*, Dept. of CSE, JNTUHCEJ, Karimnagar, 29-12-2010 to 30-12-2010

-> Participated in a Workshop on *Two-week ISTE Workshop on "Database Management Systems"*, NIT Warangal (IIT Bombay), 13-12-2010 to 23-12-2010

-> Participated in a FDP on *Cryptography and Network Security*, NPTEL Online Course from IIT Madras (Jan-Apr 2019),

- Teaching

- Information Security in IT IV B.Tech I Sem (2016-17)
- Web Technologies in IT III B.Tech II Sem (2016-17)
- Linux Programming in IT III B.Tech I Sem (2017-18)
- Web Technologies in IT III B.Tech II Sem (2017-18)
- Information Security and Audit in IT I M.Tech II Sem (2017-18)
- Cryptography and Network Security in IT I M.Tech I Sem (2017-18)
- Cryptography and Network Security in IT I M.Tech I Sem (2018-19)
- Information Security in IT IV B.Tech I Sem (2018-19)
- Information Security and Audit in IT I M.Tech II Sem (2018-19)
- Cryptography and Network Security in IT III B.Tech II Sem (2018-19)

- Administrative Positions Held

- Computer Maintenance Officer, JNTUH College of Engineering Jagtial, 04 Jul 2019 - Present
- Deputy Wardens for Girls Hostel, JNTUH College of Engineering Jagtial, 27 Apr 2017 - 03 Jul 2019
- Furniture I/C Officer, JNTUH College of Engineering Jagtial, 19 Nov 2013 - 27 Apr 2017

- Project/Research Guidance

- Students

Student Name	Title	Year	Download
A.ALANA	A BLOCK CHAIN BESD SECURE ONLINE STORAGE SYSTEM ON A PEER TO PEER NETWORK	2020	
K.BHAGATH	MY PRIVACY MY DECISION:CONTROL OF PHOTO SHARING ON ONLINE SOCIAL NETWORKS	2019	
A.ANIL KUMAR	ID-BASED ANONYMOUSLY TWO FACTOR AUTHENTIC KEY SWAPPING PROTOCOLS PROVIDED WITH ENHANCING THE SECURITY MODEL	2019	
CH.ANIL	SECURE GROUP DATA SHARING IN CLOUD USING SECRETE KEY DISTRIBUTION	2019	
J.SUSHMITHA	COMPARITVE STUDY OF VERIFIABLE SECRET SHARING SCHEMES OVER BILINEAR GROUPS	2019	
P.SRINIVAS	PRIVACY PROVIDED AODV ROUTING PROTOCOL IN WIRELESS SENSOR NETWORKS USING BLOOM FILTER	2019	
T.SANGEETHA	PRIVACY AND EFFECTIVE CERTIFIACTE LESS ACCESSIBLE ADMINISTARTION IN WBAN'S	2019	
V.MAMATHA	PERFORMANCE ANALYSIS OF LINEAR VERIFIABLE SECRET SHARING SCHEMES OVER BILINEAR GROUPS	2019	
MD AFREEN	TEXT SUMMERIZATION FOR HINDI E-NEWS PAPERS	2019	
E.AJAI	DETECTING HATRE SPEECH AND OFFENSIVE LANAGUAGE ON SOCIAL MEDIA USING TFIDF BASED APPROACH IN SVM	2019	
E.KALYANI	SENTENCE RANDING BASED SUMMARIZATION FOR TELUGU NEWS ARTICLES	2019	
J.SUVARTHA	HYPERPARTISIAN NEWS DETECTION USING NAVIE BAYES MODEL	2019	
G.BHAVISHYA	A KEY DISTRIBUTION PROTOCOL BASED ON BDH ASSUMPTION	2018	
K.KALYANI	TWO PARTY KEY AGREEMENT PROTOCOL FOR MANETS	2017	
M.PRASHANTH	ONE-ROUND THREE PARTY AUTHENTICATED KEY AGREEMENT PROTOCOL	2017	
P.MOUNIKA	A KEY AGREEMENT PROTOCOL BASED ON BILINEAR PAIRING	2017	
D.ARUNDATI	COMPARISON OF PAIRING ORIENTED IDENTITY BASED KEY AGREEMENT PROTOCOLS	2016	
G.KEERTHI	PAIRING FREE IDENTITY BASED KEYAGREEMENT PROTOCOLS	2016	
G.DIVYA	A STUDY OF PAIRING FREE CERTIFICATELESS PROTOCOLS WITHOUT PAIRINGS	2016	
SABHA NAZREEN	KEY MANAGEMENT IN DYNAMIC WIRELESS SENSOR NETWORK	2016	
V.HARIKA	PERFORMANCE ANALYSIS OF TWO PARTY KEY AGREEMENT PROTOCOLS BAESD ON PAIRINGS	2016	
K.SUNIL	IMPLIMENTATION OF GROUP MEMBER AUTHENTICATION IN MOBILE AD-HOC NETWORKS	2015	
V.SINDUPRIYA	AN EFFICIENT ID-BASED THRESHOLD SIGNCRYPTION SCHEME	2015	
P.SUDHAKAR	FAST TRANSMISSION TO REMOTE COOPERSATIVE GOUPS: A NEW KEY MANAGEMENT PARADIGM	2014	
T.DIVYA	ENFORCING SECURE AND PRIVACY PRESERVING INFORMATION BROKERING IN DISTRIBUTED INFORMATION SHARING	2014	
V.DIVYAVANI	BLACK HOLE ATTACK PREVENTION BASED ON AUTHENTICATION MECHANISM	2014	
A.Sanjeev	Design and implementation of TARF: Trust Aware Routing Framework for WSNs	2013	
P.VIJAY KUMAR	A SECURE INTRUSION DETECTION SYSTEM AGAINST DDOS ARRACK IN WIRELESS MOBILE AD-HOC NETWORK	2013	

Contact :

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Computer Science & Engineering

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