



Dr. P. Swetha

B.Tech (CSE), M.Tech (CSE), Ph.D(CSE)

**Professor of CSE & Deputy Director ,
Directorate of Affiliations and Academic
Audit (DAAA)**

MIETE, MIACSIT, MISTE, MBES

Computer Science & Engineering

Areas of Interest:

- 1. Cryptography & Network Security**
- 2. Data Mining**
- 3. Cloud Computing**
- 4. Mobile Computing**
- 5. Computer Networks**
- 6. DBMS**

Prof. P.Swetha is currently working as **Deputy Director, Directorate of Academic Affairs,** and Professor of Computer Science and Engineering, JNTUH . She previously worked as Deputy Director, Directorate of Innovative Learning and Teaching (DILT). She has completed her B.Tech, M.Tech in Computer Science and Engineering from JNTUH and Ph.D in the area of Network Security from Osmania University . She has published several research papers at International and National Levels . She is also the recipient of **GOLD MEDAL and BEST PAPER AWARD for International Conference on Recent Innovations in Engineering and Technology** [ICRIEAT-2016] , **Mahila Shiromani Award in 2019 and Outstanding Women of the Year Award in 2022.** She was also the Coordinator for TS EAMCET - 2022. She also served as **Coordinator, T HUB and J HUB at JNTUH.** She has 2 decades of Teaching and Research experience.

- ▶ Educational & Professional

- ▶ Academic Qualifications

- ▶ Ph.D in Network Security, Computer Science and Engineering, Osmania University (2009-2017)

- ▶

M.Tech in Computer Science and Engineering, School of Information Technology, JNTUH (2004-2007)

- ▶

B.Tech in Computer Science and Engineering, JNTUH (1999-2003)

- ▶ **At JNTUH**
- ▶ Professor, JNTUH CEJ (2017 - Till Date)
- ▶ Associate Professor, JNTUH CEJ (2010 - 2017)

- ▶ **Publications**

- **International Journals**

- ▶ DR.P.SWETHA, *"Analysis of Customer Data For Performance Enhancement Using Visual Data Mining"*, MUKTH SHABD JOURNAL, ISBN No.2347-3150, Vol No.VOLUME IX,ISSUE XI, 2020
- ▶ DR.P.SWETHA, *Disjoint Route Vector Algorithm for Heterogeneous Wireless Sensor Networks in IJARCCCE*, International Journal of Advanced Research In Computer And Communication Engineering, 2017
- ▶ DR P SWETHA, *Secure distribution of secret key to group nodes using SPSS model for Threshold Cryptography in MANETs Pg. 111-118*, Online International Interdisciplinary Research Journal (OIIRJ), ISBN No.ISSN 2249-9598, May , 2017
- ▶ DR P SWETHA, *Exclusion of malicious nodes using Secure Proactive Secret Sharing (SPSS) for Threshold Cryptography in MANETs Pg . :01-08*, International Journal of Computational Engineering Research (IJCER), ISBN No.ISSN (e): 2250 300, April , 2017
- ▶ DR P SWETHA, *Secret Key Sharing Using Homomorphic Commitments and its application to Threshold Cryptography. PP 6598-6602*, International Journal of Applied Engineering Research. (IJAER) Volume 11, Number 9, ISBN No.ISSN 0973-4562, 2016
- ▶ DR P SWETHA, *Identification of Packet Droppers and Modifiers in Mobile Adhoc Networks for Improved Security Pg. 377-380*, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) Vol. 5, Issue 1, ISBN No.ISSN (Online) 2278-1021 ISSN (Print) 2319 5940, January, 2016
- ▶ DR P SWETHA, *Secure Group Key Management using Ciphertext in MANETs. PP 08-13*, IOSR Journal of Computer Engineering (IOSR-JCE), ISBN No.e-ISSN: 2278-0661 p-ISSN: 2278-8727, Jan 2016
- ▶ DR P SWETHA, *Survey On Routing Protocols In MANET pg.296 300*, International Journal of Computer Science and Mobile Computing (IJCSMC), ISBN No.ISSN 2320088X, August , 2016
- ▶ DR P SWETHA, *A Defensive Protocol For Reducing Routing Overhead In Mobile Ad Hoc Networks*, International Journal of Application or Innovation in Engineering & Management (IJAIEEM) September 2014, ISBN No.2319 4847, 2014
- ▶ DR P SWETHA, *Implementation of Threshold Cryptography in MANETs. Pg.no. 1036 1040*, International Journal of Engineering Research and Technology (IJERT) Jan - 2014, ISBN No.2278-0181, 2014
- ▶ DR P SWETHA, *Unmasking of Packet Drop Attack in MANET. Pg: 211-214*, International Journal of Emerging Trends and Technology in Computer Science (IJETTCS) Nov-Dec 2013, ISBN No.2278 6856, 2013

International Conference

- ▶ DR P SWETHA, *Detection of Misbehaving nodes using Secure Proactive Secret Sharing (SPSS) for Threshold Cryptography in MANETs*, International Conference on Recent and Innovations on Engineering And Technology (ICRIEAT-2016), ISBN No.ISBN: 9781539626459, 2016
- ▶ DR P SWETHA, *Graphical Passwords using hard AI Problems*, International Conference on Innovative Methods in Engineering Applications, Applied Sciences and Management Cases (IMEASMC-2016), 2016
- ▶ DR P SWETHA, *Bandwidth efficient on-demand Routing Protocol for MANETs*, International Conference on Innovative Methods in Engineering Applications, Applied Sciences and Management Cases (IMEASMC-2016), 2016
- ▶ DR P SWETHA, *Graphical Passwords using hard AI Problems*, International Conference on Innovative Methods in Engineering Applications, Applied Sciences and Management Cases (IMEASMC-2016), 2016
- ▶ DR P SWETHA, *Bandwidth efficient on-demand Routing Protocol for MANETs*, International Conference on Innovative Methods in Engineering Applications, Applied Sciences and Management Cases (IMEASMC-2016), 2016
- ▶ DR P SWETHA, *Security Assessment of Computer Networks –an Ethical Hacker’s Perspective*, IEEE Conference International Conference on Computer and Communications Technologies (ICCCT-14) , 2014
- ▶ DR P SWETHA, *Graphical Approach of Generalized Neuron Model for Electric Load Forecasting During Error Gradient Functions*, pp.186-190, Proceedings of International Conference on Recent Development in Computational Science and Information Technology (ICRDCIT –14) , ISBN No.978-93-83083-55-8, 2014

National Conference

- ▶ DR P SWETHA, *Threshold Homomorphic encryption for Asynchronous MPC*, National Conference in Recent Trends in Science and Technology (NCRTST-2015), ISBN No.9789382570523, 2015
- ▶ DR P SWETHA, *NASSCOM's NTERCEPT-A Mobile App for Security*, National Conference on Perspectives Of Women in Multidisciplinary Areas. (POWMA-2K15), 2015
- ▶ DR P SWETHA, *Women in Science and Engineering*, National Conference on Perspectives Of Women in Multidisciplinary Areas. POWMA-2K15, 2015
- ▶ DR P SWETHA, *An approach for Detection and Prevention of Reset Attacks Using TCP Sequence Number Analysis*, National Conference on Advanced Computing and Pattern Recognition (ACPR-14), 2014
- ▶ DR P SWETHA, *Amazon Web Service in Education*, National Conference on Advanced Computing and Pattern Recognition (ACPR-14), ISBN No.9789383038176, 2014
- ▶ DR P SWETHA, *Mitigation of Packet Drop Attack in MANET* • Pg.No.:174-176, National Conference on Advances in Computing and Networking (NCN-13), ISBN No.9789383038114, 2013

- ▶ **Events Participated/Organized**

- **Organized**

- ▶ Organized a FDP on Organized National level one week online FDP on "Programming in Internet of Things" (PHASE-III) Sponsored by AICTE-ISTE, JNTUHCEJ, Jagtial., 14-12-2020 to 19-12-2020
- ▶ Organized a FDP on Organized National level one week online FDP on "Programming in Internet of Things" (PHASE-II) Sponsored by AICTE-ISTE, JNTUHCEJ, Jagtial., 07-12-2020 to 12-12-2020
- ▶ Organized a FDP on Organized National level one week online FDP on "Programming in Internet of Things" (PHASE-I) Sponsored by AICTE-ISTE, JNTUHCEJ, Jagtial., 23-11-2020 to 28-11-2020
- ▶ Organized a FDP on Organized a two-week Online Refresher Course on "Artificial Intelligence" Sponsored by UGC, JNTUHCEJ, Jagtial., 09-11-2020 to 23-11-2020
- ▶ Organized a FDP on Organized One week Online Short term course on "Deep Learning" Sponsored by UGC, JNTUH, Kukatpally, Hyderabad., 01-01-1970 to 19-09-2020

- **Presented**

- ▶ Presented a paper in *Threshold Homomorphic encryption for Asynchronous MPC*, UGC Academic Staff College JNTUH Kukatpally,Hyd.,TS, 17-04-2016

- **Participated**

- ▶ Participated in a FDP on *Organized National level one week online FDP on "Programming in Internet of Things" (PHASE-I) Sponsored by AICTE-ISTE, JNTUHCEJ, Jagtial., 23-11-2020 to 28-11-2020*
- ▶ Participated in a FDP on *One Week FDP on "C Programming and Data Structures"*, UGC Academic Staff College JNTUH Kukatpally,Hyd.,TS, 06-03-2017 to 11-03-2017
- ▶ Participated in a FDP on *Refresher Course on "CLOUDERA : BIG Data and Cloud Analytics"*, UGC Academic Staff College JNTUH Kukatpally,Hyd.,TS, 10-11-2014 to 29-11-2014
- ▶ Participated in a FDP on *Refresher Course on "Network Security and Cryptography"*, UGC Academic Staff College JNTUH Kukatpally,Hyd.,TS, 11-09-2013 to 01-10-2013
- ▶ Participated in a FDP on *Short-term Course " Research Aspects in Information Security"*, UGC Academic Staff College JNTUH Kukatpally,Hyd.,TS, 23-01-2012 to 28-01-2012

- ▶ Project/Research Guidance

- Students

| Student Name | Title | Year | Download |
|---------------|---|------|----------|
| M.SWATHI | A Scalable And Efficient User Revocation Mechanism Using Attribute-Based Hybrid Encryption In Cloud Computing | 2019 | |
| K. ARCHANA | Intrusion Detection System Using Genetic Algorithm | 2018 | |
| K. RAJASHEKAR | Disjoint Route Vector Algorithm for Heterogeneous Wireless Sensor Networks In Distributed Environment | 2017 | |
| K. VENKATESH | A Modified AODV Against single and Collaborative Black Hole Attacks in MANETS | 2015 | |
| J. DEEPTHI | Quick Rescue Engine for Fire Accidents in smart City | 2015 | |

Contact :

Dr. P. Swetha

Computer Science & Engineering

Official Email: drpswetha@jntuh.ac.in

Alternate Email: swetha.perumalla1@gmail.com