

## ADI LAKSHMI YANNAM

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### RESIDENTIAL ADDRESS:

Flat No:10-267-B-102, JK Towers, Lingavaram Road, Gudivada-521301

**ACADEMIC QUALIFICATIONS:** B. Tech (CSE), M.Tech (CSE), Ph.D.

### PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Assoc. Professor	Gudlavalleru Engineering College	17-08-2009 to Till date
Asst. Professor	Gudlavalleru Engineering College	23-12-2003 to 17-08-2009

### PROJECTS GUIDED:

Ph.D	Post Graduation
NIL	18

### SPECIALIZATION:

Security issues in Mobile Ad hoc networks.

**THESIS TITLE:** “ENSEMBLING OF MACHINE LEARNING AND SWARM INTELLIGENCE TECHNIQUES TO IMPROVE TRUST LEVEL, EFFICIENCY AND RELIABILITY OF COOPERATIVE MONITORING SYSTEM TO DETECT INTRUSIONS IN MOBILE AD HOC NETWORKS.”

### RESEARCH PAPERS/BOOKS: 03

1. Adilakshmi.Y, Dr.G.V.S.N.R.V Prasad, “Trust Aware Intrusion Detection System to Defend Attacks in Manets”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278 – 3075, Volume: 8, Issue No.6, April 2019.

2. Adilakshmi.Y, Dr.G.V.S.N.R.V Prasad,” Cooperative Intrusion Detection System to Enhance the Security in MANET”, Journal of Advanced Research in Dynamical and Control Systems, ISSN: 1943– 023X, Volume: 11, Issue No.8, July, 2019, SJR 0.11. (Scopus).
3. Adilakshmi.Y, Dr.G.V.S.N.R.V Prasad,” Penalty Based Reliable Cooperative Intrusion Detection System for Mobile Ad hoc Network Environment”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277 – 3878,Volume:8, Issue No.4, November, 2019, Impact Factor: 5.92.(Scopus).

**BOOKS PUBLISHED: NIL**

**PAPERS PUBLISHED IN JOURNALS: 22**

1. Dr. Y. Adilakshmi, “Designing and Implementing Smart Home Using Packet Tracing Tool”, Journal of Information and Computational Science(JOICS) , ISSN: 1548-7741, Volume 11 Issue 6 -2021.
2. Dr. Y. Adilakshmi, “A Study on the 5<sup>th</sup> generation of cellular technology (5G) era in Internet of Things ”, International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR ISSN (P): 2249–6831; ISSN (E): 2249–7943, Vol. 11, Issue 1, June 2021.
- 3. Dr. Y. Adilakshmi, “Natural Gas Price Prediction Using Artificial Neural Networks”, Kala Sarovar, ISSN: 0975-4520, Vol-24, No.02(I) , June 2021.**
- 4. Dr. Y. Adilakshmi, “Spam Sms Detection Using Machine Learning, Kala : The Journal of Indian Art History Congress, ISSN : 0975-7945 Volume-27, No.1(XIII), June 2021**
5. Adilakshmi.Y,” Black hole Attack Detection Using Machine Learning Algorithms in MANET – Performance Comparison”, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056,Volume: 07 Issue: 06 , June, 2020, Impact Factor: 7.52.
6. Adilakshmi.Y, “Black Hole Node Behavioral Analysis based on Hop Count and Timestamp using Machine Learning Algorithm”, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 , p-ISSN: 2395-0072 , Volume: 07 Issue: 05 , May,2020, Impact Factor:7.5.
7. Adilakshmi.Y,” A Modified AODV based Wormhole Detection Using Hop Count and Packet Sent and Receiving Ratio in MANETs”, International Research Journal of Engineering and Technology (IRJET), Volume: 07

Issue: 05 e-ISSN: 2395-0056p-ISSN: 2395-0072 , May,2020, Impact Factor:7.52.

8. Adilakshmi.Y, "Black Hole Attack Detection Based on Sequence Number Difference and Packet Drop Ratio in Manet", International Journal of Research and Analytical Reviews (IJRAR), ISSN: 2348-1299(Online), ISSN: 2349-5138,Volume-6, Issue-2,June 2019.
- 9. Adilakshmi.Y, "Attacks and corresponding solutions in Manets ", International Journal of Management Technology and Engineering (IJMTE), ISSN: 2249-7455(Online), Volume-8, Issue-12, Dec 2018.**
10. Adilakshmi.Y, "MBDS: Message Authentication Code(MAC) Based Black Hole Detection System in Manets", International Journal of Innovative Technology and Research (IJITR), ISSN: 2320-5547,Volume-6, Issue-2,Feb-Mar 2018.
11. Adilakshmi.Y, "A Protected Transfer Routing with key Pre-Sharing: A Linear Coldness optimization approach", International Journal of Innovative Technology and Research (IJITR), ISSN: 2320-5547,Volume-5, Issue-3,Apr- May 2017.
12. Adilakshmi.Y, "QAPS: An Efective Strategy For Identification Of Malicious Nodes And Saving Energy International Journal of Scientific Engineering and Technology Research,, Vol5 (17), Page No:3522-3524, July 2016., Impact Factor: 3.59.
13. Adilakshmi.Y, "Carp A Novel Approach To Address the Well-Known Image Hotspot Problem In Popular Graphical Password Systems ", International Journal of Science Engineering and Advanced Technology (IJSEAT), ISSN: 2321-6905, Volume-3, Issue-9, Sep 2015, Page no: 457-460. Impact Factor: 3.436
14. Adilakshmi.Y, "Optimized Solutions for Security as a Service Cloud Model", International Journal of Advanced Technology and Innovative Research (IJATIR), ISSN: 2348-2370, Volume-07,Issue-13,Sep- 2015.Page no: 2422-2426 Impact Factor: 3.214
- 15. Adilakshmi.Y, "A Secure Fast Transmission Based on Key Management in clustered Networks ", International Journal of Research in Computer Science Engineering (IJRCSE), ISSN: 2321-5585(Online), ISSN: 2321-0338(Print), Volume-5, Issue-1, Jan-Feb, 2015. Impact Factor: 1.35**

16. **Adilakshmi.Y, “Multi-path Wireless Routing Protocol for Detecting Malicious Node Based on Minimum Cost “,International Journal of Research in Computer Science Engineering (IJRCSE), ISSN: 2321-5585(Online), ISSN: 2321-0338(Print), Volume-5,Issue-1, Jan-Feb, 2015. Impact Factor: 1.35**
17. Adilakshmi.Y, “SEIDS-A Secure Enhanced Intrusion Detection System with DS in MANETS”, International Journal of Computer & Organization Trends(IJCOT), Vol 3 Issue 11, Page No 511-517 , ISSN: 2249-2593, December 2013., Impact Factor: 0.421
18. Adilakshmi.Y, “Error Diffusion Based Color Visual Cryptography for Secure Communication”, International Journal of Advanced Research in Computer and Communication Engineering, Vol 3, Issue 1, ISSN (Print) 2319-5940 ISSN (Online) 2278-1021, January 2014., Impact Factor: 1.770
19. Adilakshmi.Y, “A Privacy Protecting Locality supervising System for Wireless sensor Network”, International Journal Of Emerging Trends In Engineering And Development (IJETED), Vol 5, Issue 2, Page No: 328-337, July 2012., Impact Factor: 2.87
20. **Adilakshmi.Y, “Web-Application Vulnerability Analysis Using Robust SQL Injection Attacks”, International Journal of Engineering Trends and Technology, Vol 3, Iss 5, Page No: 562-566, 2012., Impact Factor: 0.537**
21. Adilakshmi.Y, “Simplistic Constructive Routing Protocol For Multichip Wireless Mesh Networks”, International Journal of Advanced Engineering and Applied Research, Vol 9, Issue 2, Page No: 268-372, September 2011.
22. **Adilakshmi.Y, “Secure Dynamic Routing Using Ddra”, International Journal of Computer Science and Information Technologies, Vol 2(5), Page No:2237-2241, September 2011., Impact Factor: 2.93**

### **PAPERS PRESENTED & PUBLISHED IN CONFERENCES: 03**

1. Adilakshmi.Y, presented a paper on “Attacks and corresponding solutions in Manets“, in International conference on Science, Technology and Management (ICSTM), on 9th Dec 2018.
2. Adilakshmi.Y, “Evaluation of Television Shows Popularity based on Twitter Data using Sentiment Analysis Techniques“, in first International conference on Computational and Intelligent Techniques for Automation of

Engineering Systems conducted at Gudlavalleru Engineering college from 30<sup>th</sup> Nov 2018 to 1<sup>st</sup> Dec 2018.

3. Adilakshmi.Y, “Weak Bloom Filtering for Large-Scale Dynamic Networks”, International Journal of Computer Science and Information Technologies, Vol 3, Issue 4, Page No: 4840-4842. 2012, Impact Factor: 2.93

### **LIST OF WORKSHOPS ORGANIZED: 03**

- **Organized a guest lecture on “Introduction to Deep learning” in association with CSI at Gudlavalleru Engineering College on 30<sup>th</sup> Dec 2020.**
- **Organized A technical paper contest named “COMIFEST 2K16” in association with CSI at Gudlavalleru Engineering College on 15<sup>th</sup> September 2015.**
- Organized a Workshop on “Information Security and Ethical Hacking” at Gudlavalleru Engineering College, Gudlavalleru during 22<sup>nd</sup> -23<sup>rd</sup> June 2012.

### **LIST OF WORKSHOPS / CONFERENCES / SEMINARS ATTENDED: 42**

- Attended a Six day Online Faculty Development Program on “Robotic Process Automation” organized by Seshadri Rao Gudlavalleru Engineering College in collaboration with Smart Bridge Educational Services Pvt Ltd powered by Blue Prism during 23<sup>rd</sup> -28<sup>th</sup> August 2021.
- **Attended a one week Online Faculty Development Program on” Machine Learning, Deep Learning and Natural Language Processing Toolkit with Hands- on Practice” organized by Chandigarh University during 2<sup>nd</sup> -6<sup>TH</sup> August 2021.**
- Attended a five day Online Faculty Development Program on “Internet of Things (IoT)” organized by ATAL Academy and Gudlavalleru Engineering College during 7<sup>th</sup> - 11<sup>th</sup> Dec 2020.
- Attended a five day Online Faculty Development Program On” Cyber Security" organized by Gudlavalleru Engineering College during 22<sup>nd</sup> -27<sup>th</sup> July 2020.

- Attended one Week Faculty Development Program on “Role of Machine Learning and Data Sciences in AI”. Organized by MGIT Hyderabad during 28<sup>th</sup> -02<sup>nd</sup> July 2020.
- Attended a five day Online Faculty Development Program On” Block chain Technologies” organized by Gudlavalleru Engineering College during 09<sup>th</sup> - 13<sup>th</sup> June 2020.
- Attended five day National Level Faculty Development Program on “Artificial Intelligence” organized by Sridevi Womens Engineering College during 22<sup>nd</sup> – 26<sup>th</sup> May 2020 .
- Attended a one week online “Faculty Awareness Program on Outcome Based Education & NBA Accreditation Process” conducted by Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune during 12<sup>th</sup> -17<sup>th</sup> May 2020 .
- Attended NPTEL-AICTE Faculty Development Program on “ Cryptography and Network Security” in online from Jan -April 2019.
- Attended one week Faculty Development Program on “Machine Learning and Deep Learning” at Gudlavalleru Engineering College from 1<sup>st</sup> May 2019 to 7<sup>th</sup> May 2019.
- Attended a one week Short term Training Programme on " Evaluating Students Performance and Designing Question papers" Organised by National Institute of Technical Teachers Training and Research, Kolkata from 25 feb 2019 to 01 mar 2019.
- Attended one week Faculty Development Program on “Internet of Things with IBM Watson” at Gudlavalleru Engineering College from 26<sup>th</sup> November 2018 to 1<sup>st</sup> December 2018.
- **Attended One Day workshop on “How to Write a Good Research Paper” at Gudlavalleru Engineering College on 23<sup>rd</sup> November 2018.**
- **Attended One week Training program on” Cloud Infrastructure and Services” at Gudlavalleru Engineering College during 7<sup>th</sup> -11<sup>th</sup> May 2018.**

- Attended One week Faculty development program on “Machine Learning: Recent Trends and Applications.” at Gudlavalleru Engineering College by NITW. Warangal during 03<sup>rd</sup> - 8<sup>th</sup> Feb 2018 .
- **Attended One Day workshop on “Curriculum Design” at Gudlavalleru Engineering College on 22<sup>nd</sup> January 2018.**
- Attended a Two day Hands on Workshop on “IPV4 & IPV6” at Gudlavalleru Engineering College on 24<sup>th</sup> and 25<sup>th</sup> Nov 2017.
- Attended One Day workshop on “Internet Architecture and its Recent Trends” at Gudlavalleru Engineering College on 27th December 2017.
- Attended Two Day Faculty Development Programme on “Soft Computing Techniques” at Gudlavalleru Engineering College on 21<sup>st</sup> and 22<sup>nd</sup> June 2017.
- Attended a one week Faculty Development Program on “BIGDATA ANALYTICS” at Gudlavalleru Engineering College, conducted by CSE department during 14<sup>th</sup>-19<sup>th</sup> November 2016.
- **Attended One-day Workshop on “Curriculum Design”, at Gudlavalleru Engineering College, Gudlavalleru conducted by CSE Department on 6<sup>th</sup> August 2016.**
- **Attended a one day workshop on “CURRICULUM DESIGN” at Gudlavalleru Engineering College, conducted by CSE department on 09<sup>th</sup> June 2016.**
- Attended a Two day workshop on “WINDOWS AZURE” at Gudlavalleru Engineering College, conducted by CSE department during 21<sup>st</sup> and 22<sup>nd</sup> March 2016.
- Attended Three-day Workshop on “Big Data Analytics”, at Gudlavalleru Engineering College, Gudlavalleru conducted by IT Department during 25<sup>th</sup>-27<sup>th</sup> February 2016.
- **Attended a Two-day Faculty Development Program on “Internet of Things” at Gudlavalleru Engineering College during 27<sup>th</sup>- 28<sup>th</sup> Nov 2015.**
- Attended a Two-Week Workshop on “Research Methodology” at JNTUK, Kakinada conducted by JNTUK during 01<sup>th</sup> to 15<sup>th</sup> May 2015.

- Attended a Two-Week Workshop on “Intellectual Property Rights and Patents” at JNTUK, Kakinada conducted by JNTUK during 16th to 29th May 2015.
- Attended a Two-day Faculty Development Program on “BIGDATA & HADOOP Technologies” at Gudlavalleru Engineering College during 12th to 13th March 2015.
- **Attended a One-day Faculty Development Program on “IBM-SPSS Modeler 16.0” at Gudlavalleru Engineering College during 30th September 2014.**
- **Attended a Two-Week ISTE Workshop on “Cyber Security” at Gudlavalleru Engineering College, Gudlavalleru Conducted by IIT-Bombay during 10th to 20th July 2014.**
- Attended a One-Week ISTE Workshop on “Computer Programming” at Gudlavalleru Engineering College, Gudlavalleru Conducted by IIT-Bombay during 16th to 21st June 2014.
- Attended a Two-week ISTE Workshop on “Database Management Systems” at Gudlavalleru Engineering College, Gudlavalleru Conducted by IIT-Bombay under National Mission on Education through ICT (MHRD) during 21st to 31st May 2013.
- Attended a Two-day ISTE Workshop on “Aakash for Education” at Gudlavalleru Engineering College, Gudlavalleru Conducted by IIT-Bombay during 10th & 11th November 2012.
- Attended a One-day AICTE National Seminar on “Artificial Intelligence Applications in Image Processing” at Gudlavalleru Engineering College during 29th August 2012.
- Attended a Two-day Faculty Development Program “Recent Developments in Cloud Computing” at Gudlavalleru Engineering College during 17th & 18th August 2012.
- Attended a One-day “Software Testing & Testing Tools” in association with SWECHA at Gudlavalleru Engineering College during 26th July 2012.



- Attended a Two-day Workshop on “Database Design & Design Tools” in association with CSI and COIGN&IT Services Pvt. Ltd at Gudlavalleru Engineering College during 11th & 12th July 2012.
- Attended a four-day faculty development program on “Refresher Course: FLAT & DAA Subjects conducted at Gudlavalleru Engineering College, Gudlavalleru during 23-26 Nov-2011.
- Attended a Two-day faculty development program on “MODELING AND TEXTURE MAPPING” using MAYA conducted at Gudlavalleru Engineering College, Gudlavalleru during 3rd and 4th Dec-2010.
- Attended a workshop on MOBILE COMPUTING conducted at Gudlavalleru Engineering College, Gudlavalleru on 29-30 Oct 2010.
- **Attended a workshop on MATLAB – EXPAND YOUR HORIZON conducted at GITAM University on 29th – 30th January 2010.**
- Attended a “A 2 day International Seminar on Artificial Intelligence & Applications (AIA – 2009)” during 10th -11th December 2009, PVP Institute of Technology –Kanuru, Vijayawada.

**GUEST LECTURES DELIVERED: 01**

**Delivered a Guest Lecture on “Artificial Intelligence in Irrigation”. At Andhra Pradesh Human Resource Development Institute, Bapatla on 4<sup>th</sup> March 2018.**

**MEMBERSHIP IN PROFESSIONAL BODIES:**

- Member of Computer Society of India (CSI) (N1271415)

**CONSULTANCY ACTIVITIES: NIL**

**GRANTS FETCHED: NIL**