

**Name:** Dr. U. D. PRASAN

**Employee ID:** A5CSE00T05

**Designation:** PROFESSOR & HOD

**Department:** CSE

Date of Birth: 10-06-1979

Father Name: Satyanarayana. U

Mother Name: Hemalatha. U

Reservation Category if Any: BC- D

**Address:** Urlam (V&P), Srikakulam (Dist.), AP

**Mobile Number:** 9959658266

**Email id:** udprasanna@gmail.com

**Date of Joining in the Institution:** 21-06-2007



**Academic Excellence:**

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D (CSE)	SCSVMV University	---	2016
M. Tech (CSE)	JNTUH, Hyderabad	FIRST class with distinction	2007
B. Tech (CSE)	JNTUH, Hyderabad	FIRST class	2001

**Total Years of Experience: 22 Years**

Period		Organization/Institution	Designation
June 2021	Till Date	AITAM, Tekkali	Professor & HOD
May 2016	May 2021	AITAM, Tekkali	Professor
June 2007	April 2016	AITAM, Tekkali	Associate Professor
June 2003	May 2007	SISTAM, Srikakulam	Assistant Professor
Oct 2001	May 2003	Aditya Engg. College, Kakinada	Assistant Professor

**Subjects taught/Areas of Interest:**

- 1) Mobile Ad-hoc Sensor Networks
- 2) Mobile Computing
- 3) Computer Networks
- 4) Computer Organization and Architecture
- 5) Advanced Computer Architecture
- 6) Math. Foundation of Computer Science
- 7) Software Engineering
- 8) Design and analysis of Algorithms
- 9) Network Security & Cryptography
- 10) 'C' Programming and Data Structures

**Guidance of Academic Projects:**

- i) Doctoral Projects : -
- ii) Masters Projects : 12
- iii) Bachelor Projects : 28

**Sponsored Research Projects: -****Honors and awards received: -****Memberships of Professional Societies and Other Organizations: ISTE, CSI.**

ISTE : LM 55945

CSI : LM 00174205

**Other Responsibilities:**

1. HOD.
2. BOS Chairman
3. PRC Member

## Details of Publications:

1. U. D. Prasan, "A survey on underwater sensor networks localization techniques", IJERD & Indian Science, Vol.4, Issue:11, PP:01-06, Nov. 2012, E\_ISSN:2278-067X, P\_ISSN: 2278-800X.
2. U. D. Prasan, "Distributed Depth adjustment control of underwater sensor networks", IJCST & Cosmic Journals, Vol.3, Issue.2, Apr-June, 2012, ISSN: 0976-8491(Online), ISSN: 2229-4333(Print).
3. U.D. Prasan, "Network layer analysis & Recommendations Regarding Feasibility Towards UWSN", IJERD & Indian science, Vol. 4, Issue:10, PP:01-07, Nov.2012, E\_ISSN: 2278-067X, P-ISSN: 2278-800X.
4. U.D. Prasan, "Bandwidth and Energy efficient Geographical Routing Algorithms for Underwater Acoustic Sensor network", IJAIR, Vol 1, Issue 5, Pp:168-172, Oct 2012, ISSN :2278-7844.
5. U.D. Prasan, "Energy Efficient Multiple Sink Variation to the Depth-Based Route Protocol for Under Water Sensor Network", IJAIR, Volume 1, issue 5, pp:173-178, Oct 2012, ISSN : 2278-7844.
6. U.D. Prasan, "A pair of distributed geographical routing algorithms for underwater acoustic sensor networks", IJESAT, Vol-2, Issue-4, Pp.981-987, July-Aug 2012 ISSN: 2250-3676.
7. U.D. Prasan, "Broad Spectrum Issues in under water Auditory Sensor Networks and Potential challenges", IJITES & Mind Reader Publications, Vol-2, Issue-1, Pp.51-54, June 2012, ISSN 2249 - 0515.
8. U.D. Prasan, "Under Water Sensor networks: Architecture, Research Challenges and Potential Applications", IJERA, Vol-2, Issue-2, Pp.251-256, Mar-Apr-2012, ISSN:2248-9622.
9. U.D. Prasan, "A Pragmatic Study of Under Water Acoustic Sensor Networks and Global Wireless Networks", IJMAN & IFRSA publisher, Vol-2, Issue-1, Pp.120-124, Feb-2012, ISSN (online)2231-6825, ISSN (print) 2249-202X.
10. U.D. Prasan, "Scalable and Distributed Mobile Under Water Wireless Sensor Networks for Oceanographic applications", IJETT, Vol-3, Issue-2, Pp.138-143, 2012, ISSN:2231-5381.
11. U.D. Prasan, "Energy Efficient and OS Award Ant Colony Optimization Routing Protocol for WSN", IJDPS & AIRCC publishing corporation, Vol-3, Issue-1, Pp.257-267, Jan 2012, ISSN (online) : 0976-9757, ISSN (print) : 2229-3957.

12. U.D. Prasan, "Robust Intrusion Detection System Using Layered Approach with Conditional Random fields", IJCSET & KEJA publications, Vol-1, Issue-9, Oct 2011, ISSN: 2231-0711. Pp: 563-568.
13. U.D. Prasan, "The Based Anchor-free Fixture Algorithm with Sensor Networks through end-to-end standards", IJARCS, Vol.3, Issue 5, Sep-Oct 2012, ISSN: 0976-5697.
14. U.D. Prasan, "Implementation of Object Oriented Approach to fast IP Recovery Based on Multiple Routing Configurations", IJMER & Research India Publications, Vol.1, Issue 1, Pp-099-107, Sep-Oct, 2011, ISSN: 2249-6645.
15. U.D. Prasan, "A Survey on issues in designing a routing protocol for Ad-hoc wireless networks", Indian Journal of Applied Research, Vol-3, Issue- 5, May-2013, ISSN : 2249 – 5556.
16. U.D. Prasan, "Routing conflict in underwater Acoustic Sensor Networks and Feasible Challenges", Indian Journal of Research- PARIPEX, Vol-3, Issue- 5, May-2014, PP:01-04, ISSN : 2250 – 1991. IF- 1.6714.
17. U. D. Prasan, "A Novel Localization Scheme based on AUV for UWSN", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 9, Number 22 (2014) pp. 12109-12120, <http://www.ripublication.com>.
18. U. D. Prasan, "A Combinatorial Multi-Objective Trust Model for Efficient and Secured Routing in UWSN", International Journal of Engineering Trends and Technology (IJETT), Volume22 Number 6- April 2015, ISSN: 2231-5381, <http://www.ijettjournal.org>.
19. U. D. Prasan, "An Analysis on Vehicular Ad-Hoc Networks: Research Issues, Challenges and Applications", International Journal of Applied Engineering Research, Volume 11, Number 06, August 2016, ISSN: 0973-4562, pp. 4569-4575. Research India Publications, <http://www.ripublication.com>.
20. U. D. Prasan, "VANET: Research Methodologies, Challenges and Applications", INDIAN JOURNAL OF APPLIED RESEARCH, Volume 07, Number 03, March 2017, ISSN: 2249-555, IF: 4.894.
21. U. D. Prasan, "A Novel Hybrid Authentication Based Key Exchange Protocol for Secure Transmission", International Journal & Magazine of Engineering, Technology, Management and Research, Volume 04, Number 07, June- 2017, ISSN: 2348-4845, [www.ijmetmr.com](http://www.ijmetmr.com).
22. U. D. Prasan, "Recuperating the Packet Drops and Network Traffic problems from Flow Control Headaches", Internatioanl Journal of Engineering Research and Application, Volume 08, Number 06, June 2018, ISSN: 2248-9622, pp 47-51, DOI: 10.9790/9622-0806024751, [www.ijera.com](http://www.ijera.com).
23. U. D. Prasan, "The Impudent Data Discovery and Dissemination with DIP using dissemination protocol in WSN", International Journal of Engineering Research and

Applications (IJERA), Volume 09, Issue 05, May 2019, ISSN: 2248-9622, pp 63-69, DOI: 10.9790/9622- 0905036369.

24. U. D. Prasan, "Routing by HDF Based Optimal Path Selection in Multipath WSNs", International Journal of Recent Technology and Engineering (IJRTE), Volume 08, Number 03, September 2019, ISSN: 2277-3878, pp 1435-1439, DOI: 10.35940/ijrte.B3713078219.098319, Published By: Blue Eyes Intelligence Engineering & Sciences Publication. Retrieval Number: B3713078219/19©BEIESP.
25. U. D. Prasan, "Routing In Mobile Ad-Hoc Networks Using Energy Efficient Protocols", *Journal of Engineering Research and Application*, Volume 10, Issue 02, Feb-2020, ISSN: 2248-9622, www.ijera.com.
26. U. D. Prasan, "Advanced Machine Learning for Diagnosis of Polycystic Ovarian Syndrome (PCOS)", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 06, Issue 05, May-2022, ISSN: 2582-3930, Impact Factor: 7.185, www.ijsrem.com.
27. U. D. Prasan, "Classification of Blood Pressure Using Machine Learning", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 06, Issue 05, May-2022, ISSN: 2582-3930, Impact Factor: 7.185, www.ijsrem.com.

#### Details of Papers Presented:

Sl. No.	Title	Programmes	Place
1	The Based Anchor-Free Localization Algorithm with Sensor Networks through end-to-end measurements (634-638)	ICRACS GIET MARCH 30 <sup>th</sup> -31 <sup>st</sup> 2012	RAJAHMUNDRY
2	Automated Monitoring and Controlling of a Server Remotely Using Email and SMS	National Conference on IEECSE-2013	BANGALORE
3	Network Layer Analysis & Narrative Regarding Feasibility towards UWSN (54-57)	NCIICT-2014 Organized by Dept. of CSE, SCSVMV University JAN 23-24, 2014	KANCHIPURAM
4	A Supervised Learning Approach For Analyzing Source Anonymity In Sensor Networks	IFERP 7 <sup>th</sup> DECEMBER 2014	VISAKHAPATNAM
5	Obtain Linear Dynamical System Stabilization using a Wireless Control Network System (43-45)	ICETET (IFERP) 8th MARCH 2015	TRIVANDRUM
6	Packet Loss Control Using Stable Token Limit Congestion Control (46-49)	ICETET (IFERP) 8 <sup>th</sup> MARCH 2015	TRIVANDRUM

7	A Secure and Authentication Based Mechanism in Zone Routing Protocol	ICET (NIER) 24 <sup>th</sup> April 2016	VIJAYAWADA
8	A Secure and Dynamic Protocol with Trust Metrics and ECDSA in MANET	ICET (NIER) 22 <sup>th</sup> May 2016	WARANGAL
9	Identification of heart failure in early stages using SMOTE integrated Ada-Boost framework	ICCIDM-2021 11 <sup>th</sup> to 12 <sup>th</sup> Dec-2021	AITAM, Tekkali

### **Details of Conferences / Workshops / Refresher Courses Organized:**

1. A One day workshop on “COMPUTER TROUBLE SHOOTING IN DAY-TO-DAY ACTIVITIES” on 12<sup>th</sup> February, 2011.
2. Act as a Co-Convener ASPIRE-2K18, 23.02.2018 & 24.02.2018 at AITAM, Tekkali.
3. Act as a Coordinator One Week Faculty Development Program On Artificial Intelligence and Machine Learning from 25<sup>th</sup> to 30<sup>th</sup> Oct 2021 in collaborate with E&ICT Academy IIT Guwahati

### **Details of Conferences / Workshops / Refresher Courses Attended:**

#### ***Internal:***

<b>S. No.</b>	<b>Dates</b>	<b>Name of The Programme</b>	<b>Host Institution</b>
1	20 <sup>th</sup> – 22 <sup>nd</sup> Dec, 2007	Emerging Trends in Image, Video Communications, Standard and Protocols	AITAM, Tekkali
2	28 <sup>th</sup> & 29 <sup>th</sup> Dec, 2007	WEKA: A Data Mining Tool	AITAM, Tekkali
3	23 <sup>rd</sup> – 24 <sup>th</sup> May 2008	Open Software and IBM Tech.	AITAM, Tekkali
4	23 <sup>rd</sup> – 25 <sup>th</sup> Aug, 2008	Research Methodologies in Engineering: Current Perspective and Prospectus	AITAM, Tekkali
5	26 <sup>th</sup> – 28 <sup>th</sup> Dec, 2008	Frontiers in Classification Algorithms for Data Mining	AITAM, Tekkali
6	24 <sup>th</sup> – 26 <sup>th</sup> Feb 2009	Object oriented Analysis and Design using UML with Rational Rose & RUP	AITAM, Tekkali
7	28 <sup>th</sup> – 30 <sup>th</sup> Oct, 2010	Recent Trends in Image and Computer Vision Research	AITAM, Tekkali

8	21 <sup>st</sup> – 25 <sup>th</sup> Feb 2011	Mission 10X	AITAM, Tekkali
9	16 <sup>th</sup> – 18 <sup>th</sup> Aug 2012	Introduction to Support Vector Machines with Applications Under TEQIP Phase-II	AITAM, Tekkali
10	19 <sup>th</sup> Jan, 2013	Outcome Based Education (In compliance with NBA Accreditation)	AITAM, Tekkali
11	21 <sup>st</sup> – 22 <sup>nd</sup> Feb, 2013	Cloud Computing and its Applications	AITAM, Tekkali
12	1 <sup>st</sup> -2 <sup>nd</sup> Mar, 2013	Advances in Signal and Image Processing (ASIP-2013)	AITAM, Tekkali
13	25 <sup>th</sup> – 30 <sup>th</sup> April, 2013	Android & Its Application (AIA-2013)	AITAM, Tekkali
14	8 <sup>th</sup> – 10 <sup>th</sup> Jan, 2014	Frontiers in Machine Learning Algorithms	AITAM, Tekkali
15	15 <sup>th</sup> – 16 <sup>th</sup> Dec, 2014	Software Engineering and Allied Tools in Association with IUCEE, under TEQIP Phase-II	AITAM, Tekkali
16	5 <sup>th</sup> July 2016	Intellectual Property Rights ( IPR) in E &IT Sector	AITAM, Tekkali
17	20 <sup>th</sup> to 25 <sup>th</sup> October 2016	One week Faculty Development Program on “Analytics with R” under TEQIP Phase-II.	AITAM, Tekkali
18	12 <sup>th</sup> to 17 <sup>th</sup> Nov-2018	One week Faculty Development Program on “Internet of Things & Data Analytics” Organized by E&ICT Academy, NIT Warangal & AITAM, Tekkali.	AITAM, Tekkali
19	25 <sup>th</sup> to 30 <sup>th</sup> Oct-2021	One Week Faculty Development Program On Artificial Intelligence and Machine Learning Organized by E&ICT Academy IIT Guwahati & AITAM, Tekkali.	AITAM, Tekkali
20	24 <sup>th</sup> to 30 <sup>th</sup> Sep-2022	One Week Faculty Development Program On Machine Learning and Soft Computing approaches for real-time applications jointly Organized by E&ICT Academy NIT Warangal & AITAM, Tekkali.	AITAM, Tekkali

**External:**

<b>Si. No.</b>	<b>Dates</b>	<b>Name of The Programme</b>	<b>Host Institution</b>
1	2 <sup>nd</sup> to 4 <sup>th</sup> December 2005	Advanced UNIX Programming	GVP college of Engineering, Vizag
2	27 <sup>th</sup> - 28 <sup>th</sup> Feb, 2006	OOAD using the UML with Fundamentals of RATIONAL ROSE	Education Centres for IBM Software, Bangalore
3	5 <sup>th</sup> - 6 <sup>th</sup> April 2007	Soft Computing Applications in Data Engineering	Vishnu Engineering College for Women Bhimavaram
4	11 <sup>th</sup> - 12 <sup>th</sup> August 2007	Data Mining and Business Intelligence	Chaitanya Engineering College, Visakhapatnam
5	12 <sup>th</sup> March 2008	Research methodologies	JNTU, Kakinada

**Other Achievements:**

1. Ratified as Professor in 2016 in JNTUK selections.
2. Ratified as Assoc. Professor in 2011 in JNTUK selections.
3. Ratified as Asst. Professor in 2007 in JNTUH selections.
4. Paper setter for various Engineering Colleges.
5. EAMCET-2015 Observer, conducted by JNTU Kakinada.