

BIO-DATA

Name: Naresh Tangudu

Designation: Associate Professor

Department: IT

Date of Birth: 06.08.1984

Father Name: T.Thrinadharao

Mother Name: T.Lakshmi

Reservation Category: BC-‘D’

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Date of Joining in the Current Institution: 06-04-2022

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D	ANU	Not Applicable	2022
M.Tech	JNTUK	Distinction	2012
MCA	JNTUK	Distinction	2009
Degree	AU	Distinction	2006



Total Years of Experience: 10

Period		Organization/Institution	Designation
June 01,2023	Till Date	AITAM,Tekkali	Assoc. Professor
April 06,2022	May 31,2023	AITAM, Tekkali	Asst. Professor
June 21,2013	April 1 st ,2022	Sree Vidyanikethan Engineering College	Asst. Professor
July,01,2010	June 18,2013	AITAM, Tekkali	Asst. Professor
August 24,2009	June,30,2010	Prime MCA College,Visakahpatnam	Lecturer

Areas of Interest:

- Operating Systems
- Database Management Systems
- Programming languages c, Java, Python
- Unix
- Software Engineering
- Programming with Problem Solving

Guidance of Academic Projects:

- i) Doctoral Projects : -
- ii) Masters Projects : - 10
- iii) Bachelor Projects : - 05

Sponsored Research Projects:

S. No.	Sponsoring Agency	Title of the Project	Grant

Honors and awards received: -**Memberships of Professional Societies and Other Organizations:**

- IAENG(131841)
- ISTE(LM136867)

Other Responsibilities:

1. E- Content Coordinator
2. E-Learning Coordinator
3. Yukti Coordinator
4. Project Coordinator
5. R & D IPR Coordinator
6. NBA Criteria 7 & 8 Coordinator
7. Course File Coordinator
8. HOD
9. Coordinator for AICTE Mandatory Disclosure

Details of Book Publications: -

- Published a Book entitled “Data Structures and Algorithms”, Publisher Indo-Continental Academic Publishers, ISBN 9788196014636, year 2022
- Published a Book entitled “ A computer aided detection of IDC using deep neural architectures”, Lambert academic publishing, ISBN 9786205518687, year 2022
- Published a Book entitled “A Design Of Sarcasm Sentiment Detection And Classification Model”, Lambert Academic publishing, ISBN : 978-620-6-16619-1,year 2023
- Published a Book entitled “ESSENTIALS OF PYTHON PROGRAMMING”, ISBN: 978-93-341-8668-0, Immortal Publishing, Year 2024
- Published a Book entitled “ CYBER SECUIRTY”, Shree Publishing House, ISBN 978-93-95250-94-8,Year 2025
- Published a Book entitled ”PYTHON PROGRAMMING” Shree Publishing House, ISBN: 978-93-95250-42-9, Year 2025
- Published a Book entitled “ALGORITHMS FOR INTELLIGENT SYSTEMS”, Shree Publishing House, ISBN: 978-93-25060-86-5, Year 2025

Details of Publications:

1. Learning Subject Areas by Using Unsupervised Observation of Most Informative Terms in Text Databases, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, vol. 2, Issue 1, Jan-Feb 2012, pp.1044-1049.
2. Breakdown the Session Riding Attacks (XSRF) with Cryptographic NONCE, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, vol. 2, Issue 1, Jan-Feb 2012, pp.1150-1156.
3. Learning Number of Clusters in Unlabeled Dataset using Rotation Estimation, International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, vol. 2, Issue 2, Mar-Apr 2012, pp.041-045.
4. A Determining the Cluster Labels by Using Keywords Based Similarity Measure, International Journal of Computer Trends and Technology (IJCTT), ISSN: 2231-2803, vol.4 Issue 6–June 2013.
5. Novel Randomization Framework in Error Estimating Codes, International Journal of Engineering Trends and Technology (IJETT), ISSN:2455-0124(online), vol.4 Issue 9- Sep 2013.
6. Enhancing the Integrity of Short Message Service (SMS) in New Generation Mobile Devices, International Journal of Computer Science Issues, ISSN (Online): 1694-0784 vol. 10, Issue 6, No 2, November 2013.
7. Efficient Classification Malignant Masses In Breast Mammograms Using Image Processing, International Journal of Computers, Electrical and Advanced Communication Engineering [IJCEACE]TM. Thomson Reuters Research ID: D1150-2018, Volume 9, Issue 17, PP: 01 - 08, JAN - JUL’ 2020

8. Segmentation of Nuclei in Histopathological Images Using Fully Convolutional Neural Architecture Design Engineering, ISSN: 0011-9342 |Year2021,Issue:9
9. Computer Aided Diagnosis Of Breast Cancer From Histopathological Images Using Deep Learning Techniques , Turkish Journal of Physiotherapy and Rehabilitation;
32(2) ISSN 2651-4451 | e-ISSN 2651-446X
10. Analysis Of Ground Water Level Fluctuations' And Its Associations' With Rainfall Using Statistical Methods, Journal Of Algebraic Statistics ,Volume 13,No.3,2022,P.1895-1904
11. Recent Advancements And Challenges Of Internet Of Things In Healthcare, Journal Of Pharmaceutical Negative Results, vol. 13 Special Issue 06 (2022) , ISSN: Print -0976-9234, Online - 2229-7723
12. A complete Prototype of tri-modal biometric authentication system, Journal of clinical Otorhinolaryngology, head and neck surgery , ISSN 1001-1781, Vol:27 Issue 1,2023 Page no 522
13. Automated lung cancer diagnosis using pre trained deep neural architectures , Journal of clinical Otorhinolaryngology, head and neck surgery , ISSN 1001-1781, Vol:27 Issue 1,2023 Page no 415
14. Naidu, B. R. ., Tangudu, N. ., Sekhar, C. ., Kavitha, K. ., Ramana, B. V. ., Reddy, P. . ., Sahukaru, J. ., & Lopinti, R. G. . (2023). Toxic Comment Classification using Deep Learning. *International Journal on Recent and Innovation Trends in Computing and Communication*, 11(7), 93–104.
<https://doi.org/10.17762/ijritcc.v11i7.7834>
15. K, K.; Tangudu, N.; Sahu, S.R.; L, N.G.V.; V, A. Detection of PCOS using Machine Learning Algorithms with Grid Search CV Optimization. *Int. J. Eng. Trends Technol.* **2023**, 71, 201–208,
<https://doi.org/10.14445/22315381/ijett-v71i7p219>.
16. classification of heart sound signals for cardiac disease analysis using one dimensional convolutional neural network, **V. Anantha Natarajan, M. Sunil Kumar, Naresh Tangudu, Suneetha Konduru**
doi: [10.31838/ecb/2023.12.sa1.076](https://doi.org/10.31838/ecb/2023.12.sa1.076), Eur. Chem. Bull. 2023, 12(Special Issue 1), 828-843 ,ISSN 2063-5346.
17. A Comparative Study For Social Network Sentiment Analysisusing Machine Learning Algorithms
Author(S): K.Kavitha, Naresh Tangudu, Yegireddi Ramesh, Suneetha Chittineni, Ujji Monika, K.Harshitha Raj
Doi : <https://biogecko.co.nz/.2023.v12.i01.pp728-740>
18. Deep Learning based model for Early detection of Alzheimer’s disease for Health Care Sector, E. Lalitha EL, Prakash Sunkavalli J, Anilkumar C, Kalyani AN, Tangudu N.. NeuroScan: r. J Neonatal Surg [Internet]. 2025Apr.9 [cited 2025Jul.6];14(13S):496-50. Available from:
<https://jneonatalsurg.com/index.php/jns/article/view/2343>
19. Implementation and Evaluation of Data Protection in Databases Using Symmetric Encryption Algorithms
Venkatesh B, L Swathi, Naresh Tangudu, Satishkumar V E, Journal of Neonatal Surgery ISSN(Online): 2226-0439 Vol. 14, Issue 8s (2025) <https://www.jneonatalsurg.com>
20. Mandipudi, R., Reddy, A.B., Sumalatha, K., Tangudu, N., Gudavalli, M., Kumar, K.M. (2025). BEiT-Based Deep Model for Agricultural Pest Detection. In: Bajaj, A., Abraham, A., Kamimura, R. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, vol 1229. Springer, Cham. https://doi.org/10.1007/978-3-031-78940-3_27
21. Swamy, K.A., Madhavi, G.M., Madhavi, K.R., Tangudu, N., Krishnaveni, C.V., Chandra, S.H. (2025). Solid Waste Classification Using Transformer Model. In: Bajaj, A., Abraham, A., Kamimura, R. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, vol 1229. Springer, Cham. https://doi.org/10.1007/978-3-031-78940-3_29
22. Narasimharao, J., Megana Santhoshi, P., Swathi, P., Davanam, G., Tangudu, N., Dileep Kumar Reddy, P. (2025). Hybrid Deep Learning Algorithm to Predict Leaf Diseases for Botanical Sentinels. In: Bajaj, A., Abraham, A., Kamimura, R. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, vol 1229. Springer, Cham. https://doi.org/10.1007/978-3-031-78940-3_44
23. Yadav, G.H.K., Gundluru, R., Krishna, N.B., Tangudu, N., Galety, M.G., Begam, A.A. (2025). Efficient High Utility Mining Algorithm for Big Data Applications. In: Bajaj, A., Sreedhar, S., Abraham, A. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, vol 1230. Springer, Cham. https://doi.org/10.1007/978-3-031-78943-4_34
24. Yamsani, N., Archana, A.B., Jugunta, S.B., Sreedevi, E., Tangudu, N., Ambika, S. (2025). Emergency Communication Networks – Applications and Challenges. In: Bajaj, A., Sreedhar, S., Abraham, A. (eds)

25. Reddy, A.R., Jaya Ranjan, M., Basi Reddy, A., Reddy Madhavi, K., Tangudu, N., Srihrasha, A.V. (2025). Combatting Misinformation: Leveraging Machine Learning Ensemble Methods for Fake News Detection. In: Bajaj, A., Abraham, A., Madhavi, K.R., Kriksciuniene, D. (eds) Bio-Inspired Computing. IBICA 2023. Lecture Notes in Networks and Systems, vol 1232. Springer, Cham. https://doi.org/10.1007/978-3-031-78949-6_31

Patents

1. AI-Driven Encryption Techniques in Biometric Payment Systems for E-Commerce Security
2. Automated Vehicle Lane Departure Warning System with Adaptive Response

Details of Conferences / Workshops / Refresher Courses Organized:

S. No.	Dates	Name of the Programme	Host Institution
1	10-10-2022 to 26-10-2022	Introduction To Machine Learning And Deep Learning	AITAM, Tekkali
2	14-11-2022 to 18-11-2022	Curriculum Development Processes	NITTTR Chandigarh and AITAM, Tekkali
3	20-02-2023 to 24-02-2023	Planning, Execution and Evaluation of Project Work	NITTTR Chandigarh and AITAM, Tekkali
4	24-07-2023 to 28-07-2023	Funding opportunities in engineering	NITTTR Chandigarh and AITAM, Tekkali
5	7-08-2023 to 11-08-2023	Protection From Cyber Attacks	NITTTR Chandigarh and AITAM, Tekkali
6	09-03-2023 to 10-03-2023	ASPIRE2k23	AITAM, Tekkali
7	13-09-2023	A Six Hour Hackathon Code Craft Innovator Challenge	AITAM, Tekkali

Details of Conferences / Workshops / Refresher Courses Attended:

Internal:

S. No.	Dates	Name of the Programme	Host Institution
1	05-02-2010 to 18-02-2010	Network Security & Applications	AITAM, Tekkali
2	20-10-2011 to 22-10-2011	Multi Core Computing: Hands on exposure to practical open MP Programming	AITAM, Tekkali
3	19-01-2013	Outcome Based Education(In Compliance with NBA Accreditation)	AITAM, Tekkali

4	25-04-2013 to 30-04-2013	Android & Its Applications	AITAM,Tekkali
5	24-01-2017 to 25-01-2017	Emerging Trends In Information Processing	AITAM,Tekkali
6	12-11-2018 to 17-11-2018	IOT and Data Analytics	AITAM,Tekkali
7	04-11-2019 to 08-11-2019	Deep Learning using Python	AITAM,Tekkali
8	24-09-2022 to 30-9-2022	Machine Learning And Soft Computing Approaches For Real Time Applications	AITAM,Tekkali
9	09-12-2022 to 10-12-2022	Nationals Education Policy of India 2020	AITAM, Tekkali

External

S.No	Dates	Name of The Programme	Host Institution
1	30-04-2011	Open Source Technologies	Vigan College of Engineering,Vishakapatnam
2	27-05-2011	Advances in network security	Maharaj college ,Vizianagaram
3	30-03-2012 to 31-03-2012	Recent Advances In Computer Sciences	Godhavari Institute Of Engineering And Technology, Rajamandry
4	01-04-2012 to 31-07-2012	CIT Teacher Training Program	IIIT-Hyderabad
5	23-04-2012	Mission 10x aarmbh	Wipro
6	01-08-2012 to 31-03-2013	CIT Mentor Program	IIIT-Hyderabad
7	21-02-2013 to 22-03-2013	Cloud Computing & its Applications	Infosys Campus Connect
8	28-06-2013 to 30-06-2013	Research Trends in Automated Software Testing	SVEC, Tirupathi
9	30-08-2013 to 31-08-2013	High Performance Computing	SVEC,Tirupathi
10	28-04-2022	NCKITS - 2022	SVEC, Tirupathi
11	29-07-2022 to 30-07-2022	IC3T-22	KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE (KITSW), WARANGAL
12	01-07-2022 to 31-10-2022	Software Testing	IIT ,Banglore
13	01-08-2022 to 05-08-2022	Designing and Modelling of IoT, AI & ML Systems	ARM,AICTE,ATUL
14	11-08-2022 to 12-08-2022	ICACCS	VNR Vignana jyothi Institute of Engineering and Technology,Hyderbad
15	22-08-2022 to 27-08-2022	Amazon web services	Lendi Institute Of Engineering And Technology In Collaboration With Brainovision Solution Pvt Ltd And Aicte
16	15-12-2022 to 16-12-2022	IBICA 2022	MIR Labs,USA
17	07-12-2022 to 23-12-2022	Java Full Stack	Wipro Talent Next
18	02-01-2023 to	Block Chain technology and Applications	ANURAG University,

	06-01-2023		Hyderbad
19	26-06-2023 to 10-07-2023	Emerging trends in Computer Science and Engineering	JNTUG,Vizianagaram
20	23-08-2023 to 25-08-2023	ICAISS-2023	CARE College of Engineering

Certifications:

1. Completed 7 week: Programming for Everybody Certification on 07/10/2020 in Courseera, organized by University of Michigan
2. Completed 1 week: beginning sql servers Certification on 15/07/2020 in Courseera, organized by Project Network
3. Completed 5 week :Learn to Program Certification on 15/07/2020 in Courseera,organized by University of Tornonto
4. Completed 5 week: Linux for developers Certification on 12/07/2020 in Courseera, organized by The Linux Foundation
5. Completed npTEL certification on software testing on October 2022

Other Achievements:

1. Ratified as Asst. Professor in 2013 in JNTUK selections.
2. Qualified Andhra Pradesh State Eligibility Test (APSET – 2012) for Assistant Professor/Lectureship
3. Certified as Palo Alto Cyber Security entry level professional in 2022
4. Wipro certified faculty in 2023

Reviewer

1. Intelligent Mobile and IoT Ecosystems - Bridging Cloud, Fog, Edge, and AI, Dr. Naresh Tangudu, Reviewer, CRC Press, 2025

Date: 01-07-2025

(Naresh Tangudu)