



Dr. Yegireddi Ramesh

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Address – Office

Professor & HOD
Department of CSE
Aditya Institute of Technology and
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Tekkali, Srikakulam, Andhra Pradesh

Address – Home

Plot No. - 25
Behind Vinayaka Temple
Visakha 'A' Colony
Srikakulam – 532 001
Andhra Pradesh

I am happy to choose teaching as my profession and I want to share my knowledge to pursue an intellectual that provides good opportunity to me in your esteemed organization, and I will definitely do the things better and ready to accept any additional responsibilities and having sufficient knowledge in NBA/NAAC/AUTONOMOUS/AQAR works.

Experience:

Total **25 years** of teaching experience in **CSE department** of various organizations including **13 years** of research experience.

- ✚ At present working as **Professor & HoD in Department of CSE, Aditya Institute of Technology and Management**, Tekkali – 532201, Andhra Pradesh from July 2024. (TEQIP funded, permanently affiliated to JNTUGV, NBA, NAAC 'A+' and Autonomous College, NIRF (201-300)).
 - ✚ Earlier worked as **Professor & HoD in Department of IT, Aditya Institute of Technology and Management**, Tekkali – 532201, during January 2021 to June 2024.
 - ✚ Earlier worked as **Associate Professor in Department of CSE, Aditya Institute of Technology and Management**, Tekkali during January 2008 to December 2020. (Ratified as Associate Professor in 2010 JNTUK Selections)
 - ✚ Worked as **Sr. Assistant Professor in Department of CSE, Aditya Institute of Technology and Management**, Tekkali during September 2006 to December 2007.
 - ✚ Worked as **Sr. Assistant Professor & HOD in Department of CSE, Gokul Institute of Technology and Sciences**, Bobbili during October 2003 to August 2006.
 - ✚ Worked as **Assistant Professor & HOD in Department of MCA, BSR CST**, Rajahmundry during October 2001 to September 2003.
 - ✚ Worked as **Assistant Professor in Department of CSE, MITS**, Rayagada, Odissa during January 2000 to September 2001.
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Education:

Ph D	Awarded in Computer Science and Engineering with Information Security area of specialization from JNTUK, Kakinada in November, 2020 .
M Tech	Completed in Computer Science and Engineering with Distinction from JNTUH, Hyderabad in January, 2010 .
MCA	With distinction from Osmania University, Hyderabad in October, 1999 .
B Sc	Completed M P E with First Class from GCSR Degree College, Rajam, Andhra University , Visakhapatnam in April, 1996 .
Intermediate	Completed M P C with Second Class from Raja RSRKRR College, Bobbili, BIE, 1992 .
10th	Completed with First Class from A P R School (Boys) , Bobbili, SSC, 1990 .
APSET	Qualified APSET in 2012

_ Courses Handled

- ✚ C & DS
 - ✚ Python Programming
 - ✚ Computer Networks
 - ✚ Cryptography & Network Security
 - ✚ DBMS
 - ✚ Mobile Ad-hoc and Sensor Networks
 - ✚ Cyber Security
 - ✚ Data Science with Python
 - ✚ IoT
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Other Responsibilities held

- ✚ **BOS Chairman** for **Department of CSE** from July 2024 to till date and **BOS Member** for MCA and BCA from 2025 onwards.
 - ✚ **BOS Chairman** for Department of IT from January 2021 to June 2024 and **BOS Member** for Department of CSE during 2013 to 2020.
 - ✚ Member **Academic Council** from January 2021 to till date.
 - ✚ Member **Institute Development Committee** from January 2021 to till date.
 - ✚ **Placement, Alumni** and **CGC** Coordinator from July 2018 to December 2020
 - ✚ **TEQIP coordinator** during 2012 to 2017.
 - ✚ **CSE Department NAAC/NBA/Autonomous Coordinator** 2009 to 2016.
 - ✚ College **web Administrator** from 2006 to 2014.
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Professional Society Memberships

- ✚ ISTE Life Member – LM56492
 - ✚ CSI Life Member - 01154027
 - ✚ ACM Member - 5321977
 - ✚ IAENG Life Member – 335425
 - ✚ AMIEE Life Member – AMI/25/01116
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Details Workshops Organized

1. Organized 6 day Faculty Skill Development Program on “Android & Its Applications” during 25th – 30th April, 2013.
 2. Organized 2 Day FDP on Cloud Computing and Its Applications under TEQIP Phase – II on 21st & 22nd February 2013.
 3. Organized 6 day Skill Development Training Program on “Cyber Forensics and Security” during 8th to 13th July – 2013.
 4. Organized 6 day Skill Development Training Program for III CSE students on “Data Base Administration (DBA)” from 12th November to 17th November, 2014.
 5. Organized 6 day Skill Development Training Program for III CSE students on “Python Programming” during 24th to 28th Sep – 2016
 6. Technical Contest- “National Level Technical e – Contest -- .PyC” On 19th December 2021 at 10.30am to 11.30am
 7. Organized awareness program on IPR & Patent Filing on 06-04-2022
 8. Organized 1 week FDP on Curriculum Development Processes during 14/11/2022 to 18/11/2022 in association with NITTTR
 9. Organized 1 week FDP on Planning, Execution and Evaluation of Project Work during 20/02/2023 to 24/02/2023 in association with NITTTR
 10. Organized 1 week FDP on Protection from Cyber Attacks during 07/08/2023 to 11/08/2023 in association with NITTTR
 11. Organized 1 week FDP on Preparing Students for Placements and Higher Studies during 05/08/2024 to 09/08/2024 in association with NITTTR
 12. Organized 1 week FDP on Data Science using Python during 25/11/2024 to 29/11/2024 in association with NITTTR
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Patents Filed and Granted:

- ✚ **“An Autonomous Early Detection analysis of User Drowsiness through Facial Recognition using Artificial Intelligence”**. Patent Number: 2021104681, Filing Date: 02/01/2021 Innovators: **Dr. Yadireddi Ramesh**, Date of Grant: 20-04-2022
 - ✚ **3D View Image Scanner**, Design Patent Number : 334864-001 Date: 03-11-2020, Innovators: **Dr. Yadireddi Ramesh**.
 - ✚ **Solar Powered Agricultural E-Vehicle**, Design Patent Number : 412860-001, Date: 07/04/2024
 - ✚ **Gesture and voice controlled wheel chair for quadriplegic patients**, PID: 202541014926A, Filing Date: 21/02/2025, Date of Publication: 07/03/2025
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Details of Publications

Sl. No.	Name of Refereed Journal	National / International	Title of the Paper	Year of Publication
1.	International Journal of Computing and Digital Systems	International Scopus	Enhancing Smartphone Motion Sensing with Embedded Deep Learning	2025
2	International Journal of Computing and Digital Systems	International Scopus	Intellectual Gestational Diabetes Diagnosis System Using MLP-Whale Optimization Algorithm including Statistical Analysis	2023
3	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery	International Scopus	A complete prototype of tri-modal biometric authentication System	2023
4	A Journal for New Zealand Herpetology	International Scopus	A comparative study for social network sentiment Analysis using machine learning algorithms	2023
5	Journal of Pharmaceutical Negative Results	International WoS/Scopus	Recent advancements and challenges of Internet of Things in Healthcare	2022
6	IEEE COMSOC MMTC Communications - Frontiers	International IEEE	Internet of Things based Automated Agricultural Irrigation Control System	2022
7	IEEE COMSOC MMTC Communications - Frontiers	International IEEE	Amalgam enhanced to Computer Vision - Deep Learning and Internet of Things for Aerial View Cultivating Monitoring	2022
8	International Journal of Security and Its Applications	International WoS	Blockchain approach to Cyber Security vulnerabilities attacks and potential countermeasures	2020
9	Journal of Advanced Research in Dynamical & Control Systems	International Scopus	Comparison of Conventional Encryption Algorithms DES, Blowfish, AES and RK using various performance Indicators	2018
10	International Journal of Pure and Applied Mathematics	International Scopus	A Methodical Observation of the Resemblance and Performance Analysis of Cryptographic Algorithms: DES, AES, Blowfish, RK	2018
11	Journal of Advanced Research in Dynamical & Control Systems	International Scopus	RK Algorithm: A Novel Parallel Methodology for Symmetric Key Cryptography	2018
12	IEEE xplore	International Scopus	A survey on Conventional Encryption Algorithms of Cryptography	2017
13	International Journal of Computer & Organization Trends	International	Secure Key Generation and Transmission Protocol in Wireless Sensor Networks	2016
14	International Journal of Computer Trends and Technology	International UGC Care	Cluster Based Secure P2P Data Integrity Technique in Wireless sensor Networks	2016
15	International Journal of Research in Computer and Communication Technology	International	Improvisation of Identity, Trustworthiness and Privacy in Social Network	2015

16	International Journal of Computer Science and Information Technologies	International	Performance Analysis of Hash Algorithms and File Integrity	2014
17	International Journal of Science and Research	International	Performance Analysis of Routing Algorithms: AODV, DSDV, OLSR, DSR in WPAN	2013
18	International Journal of Computer Science Issues	International Scopus	Enhancing the Integrity of Short Message Service (SMS) in New Generation Mobile Devices	2013
19	International Journal of Engineering Trends and Technology	International	Novel Randomization Framework in Error Estimating Codes	2013
20	International Journal of Engineering Science & Advanced Technology	International	Neighbor Discovery in Asynchronous Wireless Sensor Networks	2012
21	International Journal of Computer Science and Information Technologies	International	A Secure File Transfer based on Discrete Wavelet Transformation and Audio Watermarking Techniques	2012
22	IJERA	International	Breakdown the Session Riding Attacks (XSRF) with Cryptographic NONCE	2012

Conference publications:

Nageswara Rao, G., **Ramesh, Y.**, Venkateswarlu, B., Sambana, B. (2023). Damaged Units Return Investigation in Printer-Producing Industry Utilizing Big Data. In: Misra, R., Omer, R., Rajarajan, M., Veeravalli, B., Kesswani, N., Mishra, P. (eds) Machine Learning and Big Data Analytics. ICMLBDA 2022. Springer Proceedings in Mathematics & Statistics, vol 401. Springer, Cham.

https://doi.org/10.1007/978-3-031-15175-0_11 (Scopus)

Sambana, B. **Yegireddi, Ramesh** (2023). Artificial Intelligence: Recent Trends, Opportunities, and Challenges in Real-World Scenarios. In: Misra, R., Omer, R., Rajarajan, M., Veeravalli, B., Kesswani, N., Mishra, P. (eds) Machine Learning and Big Data Analytics. ICMLBDA 2022. Springer Proceedings in Mathematics & Statistics, vol 401. Springer, Cham. https://doi.org/10.1007/978-3-031-15175-0_4 (Scopus)

Tangudu, N., **Ramesh, Y.**, Vital, P., Kavitha, K., Narayana, G.V.L. (2023). Hostel Out-Pass Implementation Using Multi Factor Authentication. In: Abraham, A., Bajaj, A., Gandhi, N., Madureira, A.M., Kahraman, C. (eds) Innovations in Bio-Inspired Computing and Applications. IBICA 2022. Lecture Notes in Networks and Systems, vol 649. Springer, Cham. https://doi.org/10.1007/978-3-031-27499-2_50 (Scopus)

B. Sambana and **Y. Ramesh** (2021). "An Artificial Intelligence approach to Intelligent Vehicle Control and Monitoring System," 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security (iSSSC), Gunupur Odisha, India, 2020, pp. 1-6, doi: 10.1109/iSSSC50941.2020.9358811. Link : <https://ieeexplore.ieee.org/document/9358811> (Scopus)

Y. Ramesh, B. Sambana and M. Srinivasarao (2021), "An Artificial Intelligence approach to Social Networks agent task scheduling analysis in map-reduce for Sentiment Opinion Analysis," 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security (iSSSC), Gunupur Odisha, India, 2020, pp. 1-6, doi: 10.1109/iSSSC50941.2020.9358825. Link : <https://ieeexplore.ieee.org/document/9358825> (Scopus)

R. Yegireddi and R. K. Kumar (2017), "A survey on conventional encryption algorithms of Cryptography," *2016 International Conference on ICT in Business Industry & Government (ICTBIG)*, Indore, India, 2016, pp. 1-4, doi: **10.1109/ICTBIG.2016.7892684**. Link : <https://ieeexplore.ieee.org/document/7892684> (Scopus) (WoS)

Copyrights Filed:

- “**Bosubabu - Ramesh Algorithm : Symmetric Key Cryptography** ” , Diary No: 21223/2020-CO/L, Date: 23-12-2020 , Directorate of Copyrights of India, Copyright Office, New Delhi. **Granted on 10.02.2021**
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Books:

A Methodical Observations of the Analysis of Cryptographic Algorithms by [Dr Ramesh Yegireddi](#) (Author)

Publisher: **AMAZON International**

Year of Publication: **2021**

C Programming : Hands-on Programming Techniques

Publisher : Jacksprow

Year of Publication: **2024**

Integrating AI, Big Data, and Cyber Security for next generation Communication and Networking Systems

Publisher : Jacksprow

ISBN:978-81-977723-3-7

Year of Publication: **2024**

Internet of Things

Publisher : HSRA Publications

ISBN:978-93-6850-153-4

Year of Publication: **2025**

Resource Person:

- ✚ Delivered 2 sessions talk in **One Week** (online) Faculty Development Programme (FDP) On "**DATA ANALYTICS, SECURITY, PRIVACY & IT'S APPLICATIONS**" (11 - 15 July, 2022) Organized by **Department of Computer Science, Krishna University, Machilipatnam**.
 - ✚ Delivered a Guest Lecture on Awareness Program on **Cyber Security and Cyber Crimes** on 22-03-2024 at Govt. Degree College, Tekkali.
 - ✚ Delivered a keynote talk on **Data Visualization Techniques** on 31-05-2024 at 3rd International Conference ICDSAI 2024.
 - ✚ Delivered a Guest Lecture on Awareness Program on **Cyber Security and Cyber Crimes** on 30-11-2024 at Govt. Degree College, Srikakulam.
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Achievements

- ✚ **Chief Guest and Jury member** for ASKII 2024 at Aditya Degree College, Srikakulam on 16-02-2024
 - ✚ Acted as Jury member for district level **Inspire Manak Awards Science Exhibition**, held on 15-02-2024
 - ✚ Editor for International Journal of Research and Development in Engineering Sciences (IJRDES), ISSN: 2582 - 4201
 - ✚ Secured First Runner-Up in Techie Track – Case Folio Contest of INSPIRE – The Faculty Contest Series 2011 -2012 at **INFOSYS, Hyderabad** on 23rd March, 2012
 - ✚ Qualified **APSET 2012** Exam.
 - ✚ Ratified as **Associate Professor** in 2010 in JNTUK selections
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Design of new curricula and courses

- ✚ In 2013 regulations, C Programming, Computer Networks and Cryptography & Network Security
 - ✚ In 2016 regulations, Programming for Problem Solving, Computer Networks, and Cryptography & Cyber Security
 - ✚ In 2018 regulations, Programming for Problem Solving, Computer Networks, Cryptography & Network Security, and Cyber Security
 - ✚ BoS chairman for 2020 regulations
 - ✚ BoS chairman for 2023 regulations
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Conference Chair:

- ✚ **Program Chair and Reviewer for** 2nd International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2022 During : **29th -30th March 2022** Platform : **Virtual Conference Mode(Online)**
 - ✚ Reviewer and Session Chair at International Conference on CSEAI 2023 on 17 -18, Nov 2023
 - ✚ Session Chair at 3rd International Conference ICDSAI 2024, on 31-05-2024.
 - ✚ Session Chair at **2nd International Conference on Signal Processing, Communication, Power, and Embedded Systems (SCOPES-2024), December 19-21, 2024**, Centurion University of Technology and Management
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Conferences Organized:

- ✚ Organized a conference **ICIPDIMS 2024** during 4th – 5th December 2024 as **Convenor and Guest Editor** in association with NIT, Rourkela.

Personal

✚ Name	Dr. Yegireddi Ramesh
✚ Father Name	Sri Y Suryanarayana
✚ Date of Birth	20-10-1973
✚ Reservation	BC – D
✚ Nationality	Indian
✚ Religion	Hindu
✚ Hobbies	Gardening and Cooking

DECLARATION

I hereby declare that the particulars furnished in this Application are true to the best of my knowledge.

Date: 22-11-2025

Signature of the Candidate

(Dr. Yegireddi Ramesh)