Faculty Profile



Mr. Tenali Ravi Kumar, B.Tech., M.Tech., (Ph.D)
Assistant Professor (SG), CSE

HIGHLIGHTS:

- Number of Journal Publications: 37
- H-Index: 9
- Project Funding Received: nil
- Patents Published: 7
- Patents Granted: nil

PROFESSIONAL LINKS:

- Scopus ID: 57208639080
  Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57208639080
- Google Scholar ID: Ravi Kumar Tenali
- Anna University Faculty ID: 2698591981
- AICTE Faculty ID: 1-3706475401
- Anna University Supervisor ID: NA
- LinkedIn: Ravi Kumar Tenali

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 21 Years
- Industrial Experience: nil

INTERNATIONAL EXPOSURE:

AREA OF SPECIALIZATION:

- Cloud Computing
- Cyber Security
- Data Mining
- Networking

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING:

- **Full Time Scholars: nil**
- **Part Time Scholars : nil**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

PATENTS PUBLISHED/GRANTED:

- **202441097006**-IoT Based Environmental Hazard Detection System With Ai.
- **202441097039**-Autonomous Fleet Management Using IoT And Machine Learning
- **202541075939**-Hybrid Ai And Blockchain-Enhanced Secure Data Transmission Framework for Cloud-Hosted Iot Platforms
- **202541075940**-Machine Learning-Driven Adaptive Resource Allocation For Cloud-Integrated IoT Networks
- **202541129877**-Bloodscan AI Blood Group Detection Via Fingerprint Analysis
- **202541129885**-Generative Ai-Driven Healthcare Framework With OCR-Based Medical Record Digitization and Predictive
- **202541129888**-Aiims Ai-Enhanced Intelligent Money Monitoring System

COURSES CERTIFIED:

- Coursera- Communication Skills for University Success- May 2020
- HackerRank- Problem Solving(Basic)-Sep 2020
- Coursera- SQL: A Practical Introduction for Querying Databases-Aug 2024
- NPTEL-Cyber Security and Privacy-Oct 2024

ACHIEVEMENTS AND AWARDS:

SPECIAL SESSIONS DELIVERED:

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. Tenali, R.K., Potnuri, A., Reddy, M.J., Bharadwaj, B.V., Thivakar, R. (2026) *"Mobile-Based Behavioral Insights for Identifying Risky Lifestyle Patterns".* In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026.

Lecture Notes in Networks and Systems, vol. 2052, pp. 233–244. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-30909-9_19

2. Tenali, R.K., Potnuri, A., Guravaiah, P., Lakshman Reddy, S., Lokesh, N. (2026) *"Decentralized Peer to Peer Ride Sharing System Using Block Chain"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2052, pp. 209–220. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-30909-9_17

3. Tenali, R.K., Potnuri, A., Teja, A.S., Basha, S.S., Bomma, H.R. (2026) *"AI-Driven Retinal Image Analysis for the Preemptive Diagnosis of Chronic Systemic Diseases"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2045, pp. 409–425. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-30310-3_34

4. Tenali, R.K., Potnuri, A., Kumar, G.D., Chethan Kumar, G., Dharanesh, M. (2026) *"PrognosAI: AI-Driven Predictive Maintenance System Using Time-Series Sensor Data"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2023, pp. 604–618. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-28594-2_47

5. Tenali, R.K., Potnuri, A., Reddy, B.L.V., Sesank, A., Charan Kumar, S. (2026) *"ZooLens AI: Advanced 64-Species Classifier"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2022, pp. 503–519. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-28591-1_42

6. Tenali, R.K., Potnuri, A., Praneeth, K.S., Adhireddy, L., Chandru, M. (2026) *"Hybrid Cryptographic Steganography for Secure Data Transmission"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2021, pp. 317–330. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-28310-8_23

7. Tenali, R.K., Potnuri, A., Ganesh, D.B.V.S., Nagasai, P.A., Naveen, K. (2026) *"Square2Sanctuary: Your Personalized House Plan Generator"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2020, pp. 532–548. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-28307-8_43

8. Tenali, R.K., Potnuri, A. (2026) *"A Comprehensive Review of Recent Challenges and Emerging Trends in Malicious Insider Threat Detection Using Machine Learning-Based Methods"*. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2026. Lecture Notes in Networks and Systems, vol. 2019, pp. 321–336. Springer, Cham.
DOI/Link: https://doi.org/10.1007/978-3-032-28304-7_28

9. Ravi Kumar Tenali, Vijaya Chamundeeswari V. (2025) *"Machine Learning-based Approaches for Malicious Insider Threat Detection: A Survey of Recent Advances and Open Issues"*. International Conference on Intelligent Computing, Information and Control Systems (ICOIICS-2025), IEEE Xplore Part Number: CFP250Z3-ART; ISBN: 979-8-3315-9897-6.

10. One Day Workshop on IOT Applications using AWS Cloud
    Date: 10th March 2020 | Type: Workshop
    Organization / Venue: Koneru Lakshmaiah Education Foundation (KLEF), Guntur

11. Three Day National Workshop on CYBER SECURITY
    Date: 02nd – 04th August 2018 | Type: Workshop
    Organization / Venue: Koneru Lakshmaiah Education Foundation (KLEF), Guntur

12. Two Day Workshop on AWS SKILL GURU PROGRAM
    Date: 18th – 19th June 2018 | Type: Workshop
    Organization / Venue: VFSTR Deemed to be University, Guntur

13. Three Day Workshop on FACULTY SKILL ENHANCEMENT PROGRAM
    Date: 05th, 12th, and 19th September 2017 | Type: Workshop
    Organization / Venue: Koneru Lakshmaiah Education Foundation (KLEF), Guntur

14. 120 Hours Training on DATABASE DESIGN AND PROGRAMMING WITH SQL
    Date: 12th May 2017 | Type: Training Course
    Organization / Venue: Oracle Academy @ Andhra Loyola Institute of Engineering & Technology, Vijayawada

15. Two Day Workshop on WEB DEVELOPMENT USING ANGULARJS
    Date: 17th – 18th February 2017 | Type: Workshop
    Organization / Venue: Andhra Loyola Institute of Engineering & Technology, Vijayawada

16. Two Day Workshop on CORE NETWORKING OF ISP AND SOFTWARES IMPLEMENTED IN BSNL
    Date: 14th – 15th February 2017 | Type: Workshop
    Organization / Venue: BSNL Krishna SSA, Vijayawada

17. Faculty Development Program [FDP] on ADVANCEMENTS IN CLOUD COMPUTING SERVICES AND ITS APPLICATIONS
    Date: 17th – 19th November 2016 | Type: Faculty Development Program
    Organization / Venue: Jointly organized by: CSE & IT Departments @ Andhra Loyola Institute of Engineering & Technology, Vijayawada

18. Two Day Workshop on BIG DATA ANALYTICS using HADOOP
    Date: 16th – 17th September 2016 | Type: Workshop
    Organization / Venue: Andhra Loyola Institute of Engineering & Technology, Vijayawada

19. One Week Short Term Course on WEB APPLICATION DEVELOPMENT using PYTHON and DJANGO
    Date: 10th – 14th August 2016 | Type: Short Term Course
    Organization / Venue: Sponsored under TEQIP-II @ Shri Vishnu Engineering College for Women (Autonomous), Bhimavaram

20. One Week National Level Faculty Development Program [FDP] on BIG DATA ANALYTICS
    Date: 2nd – 6th August 2016 | Type: Faculty Development Program
    Organization / Venue: Sponsored under TEQIP-II @ Shri Vishnu Engineering College for Women (Autonomous), Bhimavaram

21. One Week National Level Workshop on BIG DATA & HADOOP
    Date: 2nd – 6th August 2016 | Type: Workshop
    Organization / Venue: Delivered by: Innovians Technologies (India) @ Shri Vishnu Engineering College for Women (Autonomous), Bhimavaram

22. Two Day Workshop on BIG DATA ANALYTICS
    Date: 22nd – 23rd July 2016 | Type: Workshop
    Organization / Venue: Andhra Loyola Institute of Engineering & Technology, Vijayawada

23. Faculty Development Program [FDP] on OUTCOME BASED EDUCATION
    Date: 06th – 11th June 2016 | Type: Faculty Development Program
    Organization / Venue: Jointly organized by: Electronics & ICT Academy and NIT Warangal @ Dhanekula Institute of Engineering & Technology, Vijayawada

24. Two Day Workshop on DIGITAL SYSTEM DESIGN AND VERIFICATION USING SYSTEM VERILOG
    Date: 17th – 18th March 2016 | Type: Workshop
    Organization / Venue: K L University, Guntur

25. Two Day National Level Workshop on COMPUTATIONAL BIOLOGY
    Date: 4th – 5th July 2014 | Type: Workshop
    Organization / Venue: KKR & KSR Institute of Technology and Sciences, Guntur

26. Infosys Campus Connect Faculty Enablement Program [FEP]
    Date: 08th – 12th July 2013 | Type: Faculty Enablement Program
    Organization / Venue: Conducted by: Infosys Limited @ Swarnandhra College of Engineering & Technology, Narsapur

27. Faculty Development Program [FDP] on SOFT SKILLS & EFFECTIVE TEACHING
    Date: 06th – 11th May 2013 | Type: Faculty Development Program
    Organization / Venue: Organized by: Seventh Sense Talent Solutions @ Narasaraopeta Engineering College, Narasaraopet

28. National Seminar on CLOUD COMPUTING
    Date: 07th – 8th September 2012 | Type: National Seminar
    Organization / Venue: Organized by: GITAM Institute of Science @ GITAM University, Visakhapatnam

29. National Workshop on SOFT COMPUTING TECHNIQUES & DATA ENGINEERING
    Date: 30th – 31st March 2012 | Type: Workshop
    Organization / Venue: Organized by: GITAM Institute of Science @ GITAM University, Visakhapatnam

30. National Workshop on SOFT COMPUTING
    Date: 27th January 2012 | Type: Workshop
    Organization / Venue: Organized by: Department of Computer Science @ Adikavi Nannaya University, Rajahmundry

31. OBJECT ORIENTED ANALYSIS AND DESIGN USING UML WITH ESSENTIALS OF RATIONAL SOFTWARE ARCHITECT
    Date: 10th – 12th January 2011 | Type: Training Course
    Organization / Venue: Conducted by: IBM Software Education

32. Two Day National Level Faculty Development Program [FDP] on RECENT ADVANCES IN MODELING LANGUAGE & NETWORK PROGRAMMING
    Date: 3rd – 4th December 2010 | Type: Faculty Development Program
    Organization / Venue: In association with: TCS, Hyderabad @ Narasaraopeta Engineering College, Narasaraopet

33. Infosys Campus Connect Faculty Enablement Program [FEP]
    Date: 16th – 20th November 2009 | Type: Faculty Enablement Program
    Organization / Venue: Organized by: Infosys Limited @ Pragati Engineering College, Kakinada

34. Two Week Staff Development Program [SDP] on WIRELESS NETWORKS
    Date: 8th – 19th June 2009 | Type: Staff Development Program
    Organization / Venue: Sponsored by: AICTE @ Vignan's Engineering College, Vadlamudi, Guntur

35. Two Week Staff Development Program [SDP] on DATAMINING
    Date: 12th – 23rd November 2007 | Type: Staff Development Program
    Organization / Venue: Sponsored by: AICTE @ Sona College of Technology, Salem, Tamil Nadu

36. Two Week Infosys Faculty Enablement Program [FEP]
    Date: 02nd – 14th April 2006 | Type: Faculty Enablement Program
    Organization / Venue: Organized by: Infosys Limited @ Infosys Technologies Ltd., Hyderabad

PROFESSIONAL MEMBERSHIPS:

Computer Society of India (CSI) : N0068502

Indian Society for Technical Education (ISTE) : LM 83388

Computer Science Teachers Association (CSTA) : 5009654

International Society for Research and Development (ISRD) : M4150906223

Institute of Research Engineers and Doctors (IRED) : AM101000582930

OTHER DETAILS (If any):

- Infosys- TTT Program on Java Programming, July 2021
- Virtusa-TTT Program on Full Stack Engineering, Jul-Aug 2021
- Wipro- Certified Faculty Program on .Net Full Stack Oct-Nov 2023