SPHOORTHY
ENGINEERING COLLEGE
B.Tech | Visual Arts | BBA

EXCELLENCE
TRUTH
QUALITY

Department of Computer Science and Engineering

Faculty Profile

Name	: Dr. Karanam Ramesh Rao
Designation	: Professor
Qualification	: M.Tech., Ph.D.
Total Experience	: 24 years
JNTUH ID	: 5187-230605-175511
AICTE ID	:
E-Mail	: rameshrao@sphoorthyengg.ac.in
	ramskaranamphd@gmail.com

Publications:

1. Paper Published on "Automatic Plant Disease Detection using Advanced Machine Learning Model", Mukt Shabd Journal **,** ISSN NO : 2347-3150, Volume XI, Issue XI, NOVEMBER/2022.

2. Paper Published on " **Incessant Neighbor Detection in Asynchronous Sensor Networks**", International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 2, Issue 3, May-Jun 2012, pp.1950-1954

3. Paper Published on "**Scalable Technique of Cryptographic Key in Supervision for Essential to the Success of Wireless Improvised Networks".** International Journal of Engineering Research and Development, e-ISSN: 2278-067X, p-ISSN : 2278-800X, www.ijerd.com, Volume 5, Issue 2 (December 2012), PP. 14-19

4. Paper Published on "**Effective QoS Web Service Advice and Apparition" ,** International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 9 Issue 3 –SEPTEMBER 2014.

5. Paper Published on "**A Distributive Approach forData Collection andConsignment Balancing InWireless Sensor Networks viaMu-Mimo" ,** International Journal of Research Available at

6. Paper Published on "**A Review on Wireless sensors Networks" ,** International Journal of Computer Trends and Technology (IJCTT) – Volume 40 Number 2 - October2016

7. Paper Published on "**Security Problems in Wireless Sensor Networks – a sketch" ,** International Journal of Computer Trends and Technology (IJCTT) – Volume 40 Number   2 - October2016

8. Paper Published on "**Wireless Communication Security and Privacy issues and Challenges"** International Journal of Computer Science and Information Security (IJCSIS),   Vol. 15, No. 7, July 2017

9. Paper Published on " **An Effective Data Privacy Mechanism through Secure Session Key Exchange Model for MANET"** International Journal of Electrical and Computer Engineering (IJECE) Vol. 8, No. 5, October 2018, pp. 3267~3277 ISSN: 2088-8708, DOI: 10.11591/ijece.v8i5.pp.3267-3277.

10. Paper Published on "**A BELIEF FORECASTING METHODOLOGY TO PRESERVE DATA SECURITY AND PRIVACY IN MANET ROUTING**" Journal of Theoretical and Applied Information Technology,31st May 2019. Vol.97. No 10© 2005 – ongoing JATIT & LLS,ISSN: 1992-8645 www.jatit.org E-ISSN: 1817-3195

11. Paper Published on " **Node Activities Learning (NAL)Approach to Build Secure and Privacy-Preserving Routing in Wireless Sensor Networks**"   International Journal of Communication Networks and Information Security (IJCNIS) Vol. 10, No. 3, December 2018

Presentations in International Conferences:

1. Participated in 2nd International Conference on Emerging Trends in Electrical, Communications & Information Technologies(ICECIT 2015) organized by SRIT, Anantapuramu during 20th-21st December 2015.

2. Presented a Paper on "**A Study on Efficient and Cost Effective measures to preserve Communication Security and Privacy of Data in WSNs** ", an International Conference on Computing 2K15 Organized by NEC, Narasaraopeta, Guntur (Dist) during 13th-14th August 2015

3. Presented a Paper on "**Re-Route Discovery in case of Comprised Wireless Network during MCBP** ", an International Conference on Emerging Technologies(ICET-2014).

4. Presented a Paper on "**Study of finding Neighbor positions in Wireless Networks to increase Undisrupted Services**", an International Conference on Emerging Technologies (ICET-2014).

5. Presented a Paper on "**Vampire Assaults:** ", an International Conference on Emerging Technologies(ICET-2014).

6. Presented a Paper on "**Assisting Document Annotation Using Content and Querying Value**", an International Conference on EECS, Tirupathi on 28th September 2014.

7. Presented a Paper on "**Incessant Neighbor Detection in Asynchronous Sensor Networks**", an International Conference on Science and Innovative Engineering Organized by Lord Venkateswaraa Engineering College, Dept. of CSE, Kanchipuram held on 31st March 2012.

Participation in Workshops/ Conferences:

1. Participated in Regional Workshop on "**The Preparation of a Roadmap and an Action Plan for EISCs Established at Universities and Colleges in the State**" for the EISC Directors/Coordinators of the Universities and Colleges of Tirupati and Anantapuramu Clusters on 17th April 2023, organized by Quality Assurance Cell(QAC), Andhra Pradesh State Council of Higher Education in Collaboration with Sri Padmavati Mahila Viswavidyalayam, Tirupati.

2. Participated in One day online workshop on "**Essential Research Databases for Engineering Faculty**" , organized by RIIED Cell, PVKK Institute of Technology on 24-05-2021.

3. Participated in a Two day online workshop on "**Agile Project Management: The Journey for Young Corporates**" organized by the Directorate of Skill Development Centre & Incubation Centre, JNTUA and EDP Cell, JNTUCEA, Anantapuramu during 23-24 March 2021 with TOOOPLE Digital Skill Pvt. Ltd.

4. Participated and completed TEQIP-III sponsored Three days workshop on " **CybeSecurity & Ethical Hacking**" organized by the Department of CSE,JNTUCEA during 16th-18th November 2020.

5. Participated in a 3-Day Workshop on **"Research Methodologies, Research Writing & Research Funding Technique"** organized by Research , Innovation , Incubation & Entrepreneurship Development Cell of PVKK Institute of Technology, From 05-06-2020 to 07-06-2020.

6. Participated in a Three day Work shop on **NAAC Assessment & Accreditation : A Step by Step Process** from 28th- 30th May 2020, organized by GATES Institute of Technology.

7.Participated in a Two-Day National Level Workshop on "**Digital Padagogy or Effective Teaching & Learning**" at JNTUCEA, Anantapuramu from 23-11-2019 to 24-11-2019.

8. Participated in a One-Day Workshop on "**21st Century Teaching Strategies**" at JNTUCEA , Anantapuramu on 16th September 2017.

9.   Participated in a One-Day Workshop on "**Awareness on IT/ITES Job Roles and Big Data Analytics**" at JNTUCEA, Anantapuramu on 20-07-2015..

10. Participated in a One-Day Workshop on "**Bharath Operating Systems Solutions (BOSS)-Minimalistic Object Oriented Linux(MOOL)**" at JNTUCEA, Anantapuramu in association with C-DAC during 16th and 17th October 2014.

11. Participated in a One-Day Workshop titled "**Technology Enhanced Learning through MEICT**" in collaboration with IIT Bombay at JNTUCEA , Anantapuramu on 10th July 2014.

Faculty development programs attended:

1. Participated and successfully completed Five Day FDP on "**Enterprise Artificial Intelligence**" organized by Department of CSE , JNTUA College of Engineering(Autonomous) College , Anantapuramu, from 28th February 2023 to 4th March 2023.

2. Participated and successfully completed a One Week FDP on "**Outcome Based Education**" organized by NBA Cell, in association with IQAC of PVKK Institute of Technology, Anantapuramu, Andhra Pradesh from 20th February 2023 to 24th February 2023.

3. Participated and successfully completed one week FDP on "**Microsoft Azure & Teaching Methodologies-LST**" offered jointly by Commonwealth Educational Media Centre for Asia(CEMCA) and Andhra Pradesh Information Technology Academy(APITA) from 9th May 2022 to 13th May 2022.

4. Participated and successfully completed AICTE sponsored Two Week Online FDP on **"Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things(IoT)"** organized by the department of CSE, JNTUCEA, Anantapuramu during 17-28 November 2020.

5. Participated in APSSDC online 4 days FDP on **PYTHON PROGRAMMING** from 10-6-2020 to 13-06-2020.

6. Successfully completed 24 contact hours 6 days FDP on **APPLIED MACHINE LEARNING & DEEP LEARNING** from June 15th,2020 to June 20th,2020 organized by APSSDC in association with REDPINE SIGNALS.

7. Participated & completed successfully AICTE Training And Learning (ATAL) Academy 5 days FDP on "**Block Chain**" from 20-04-2020 to 24-04-2020 at JNTUA College of Engineering, Pulivendula.

8. Participated in 7 day AICTE MARGADARSHAN FDP on **Art of Writing Papers and Research Methodologies** from 7-5-2020 to 13-5-2020, organized by GRIET, Hydearabad.

9. Participated in an International 6 days FDP on **Research Challenges and Innovations in Renewable Energy Systems** from 11-05-2020 to 16-05-2020 at AVIT in association with Vinayaka Mission's Research Foundations.

10. Participated in 6 days FDP on **Software Project Management** organized by Dept.of CSE , Chitkara University from 11-05-2020 to 16-05-2020 under the aegis of IEEE and IE(I) student chapter.

11. Participated in 3 day webinar FDP on **Digital Era of Teaching** from 11-05-2020 to 13-05-2020 organized by Diksoochi, Mysore.

12. Participated in 5 days FDP on **Artificial Intelligence** from 22-05-2020 to 26-05-2020 , organized by Gayathri Vidya Parishad Degree & PG Courses(A) Engineering & Technology Program in collaboration with BRAIN O VISION.

13. Participated in 3 days FDP on **R Programming Language** from 28-05-2020 to 30-05-2020 ,organized by SKSVMA Engineering & Technology in association with SPOKEN TUTORIAL, IIT Bombay.

14. Participated in 5 days online FDP on **Cloud Infrastructure and Virtualization** from 25-5-2020 to 29-5-2020, organized by Institute of Aeronautical Engineering , Hyderabad.

15. Participated in one week online FDP on "**Refresher course on Problem Solving Using C**" from 01-06-2020 to 06-06-2020 , organized by MITS, Madanapalle in association with SPOKEN TUTORIAL PROJECT,IIT Bombay.

16. Participated in one week online FDP on "**MOODLE: Learning Management System**" from 09-05-2020 to 15-5-2020 , organized by D N Patel College of Engineering, Shahada in association with SPOKEN TUTORIAL PROJECT,IIT Bombay- funded by the National Mission on Education through ICT,MHRD, Govt. of India.

17. Participated in one week online FDP on "**Block Chain Technology and its Applications**" from 10-06-2020 to 16-6-2020 , organized by KSRM College of Engineering, Kadapa in association with BRAIN O VISION Solutions Pvt.Ltd.

18. Participated in one day FDP on "**Challenges in Building Collaborations in Research and Innovation**" on 11-05-2020 , organized by Dr MGR Educational and Research Institute , Chennai, Tamilnadu.

19. Participated Short Term Online Course on "**Outcome Based Education and NBA Accreditation Process**" from 08-06-2020 to 12-6-2020 ,organized by IQAC held at P.R.Pote(Patil) College of Engineering & Management, Amaravati.

20. Participated in five days online FDP on "**CS6701- Cryptography and Network Security**" from 11-05-2020 to 15-05-2020 , organized by Panimalar Institute of Tecnology, Chennai.

21. Participated in six days online FDP on **"Latest Trends and Challenges in IT Industry"** from 15-06-2020 to 20-06-2020 , organized by RMD Engineering College, Chennai in association with IIC.

22. Participated in National Level 5 days online FDP on "**Machine Learning and Research Opportunities**" from 15-06-2020 to 19-06-2020 , organized Sapthagiri College of Engineering, Bengaluru.

23. Participated & completed successfully AICTE Training And Learning (ATAL) Academy FDP on "**Cyber Security**" from 16-12-2019 to 20-12-2019 at JNTUA College of Engineering, Anantapuramu.

Patents Published:

S. No.	Name of Faculty	Patent App. No.	Filing Date	Title	STATUS
1.	Dr K Ramesh Rao	202041020694	16-05-2020	Id- Validation And Tracking System: Digital Identity Validation And Tracking System Using Machine Learning, Deep Learning Programming.	Published (Date: 05/06/2020)
2.	Dr K Ramesh Rao	202041012331	21/03/2020	Htvm-Block Chain System: Healthcare Transaction Validation And Medical Observation Care Using Block Chain System.	Published (Date: 08/05/2020)
3.	Dr K Ramesh Rao	335081-001	09/11/2020	Design Applications	Under Process
4.	Dr K Ramesh Rao	202141029419	30/06/21	A Content Protection Framework for Images in Cloud Computing	Published (Date: 16/07/2021

ACHIEVEMENTS

International Award 2021 for Teaching Excellence on the Occasion of World Teacher's Day 5th October 2021 organized by International Institute of Organized Research – which is a registered MSME with the Ministry of Micro, Small and Medium Enterprises, Government of India.

SESSION CHAIR

- Technical Programme Session Chair Member/Reviewer for 2nd International Conference on Machine Learning and Big Data Analytics(ICMLBDA 2022), organized by the Department of Computer Science and Engineering, IIIT, KOTA, India, in collaboration with California State University,San Bernadino, USA & Emlyon Business School-France, Research Institute of Big Analytics – Xi'an jiotong-Liver Pool University-China, March 12-13,2022.

- As Session Chair in the International Conference on " Artificial Intelligence and its Emerging Areas(NEC-ICAIEA-2K22), 3rd – 4th June 2022, organized by Department of Computer Science and Engineering in Association with CSI, Narasaraopeta Engineering College,Narasaraopet, A.P., India.

AS REVIEWER

- This is to certify that Dr. Karanam Ramesh Rao has reviewed the article ID 21M-10-662 with title Forensic Analysis of "WhatsApp" Artifacts in Android without Root of Regular Issue for Advances in Science, Technology and Engineering Systems Journal.
- Dr Karanam Ramesh Rao for reviewing the article ID 21M-12-008 with title Analytical Framework to minimize the latency in Tele-herbal healthcare Service of Regular Issue for Journal of Engineering Research and Sciences.
- Dr Karanam Ramesh Rao for reviewing the article ID 22M-08-182 with title IOT Based Smart Physiotherapy System: A Survey of Regular Issue for Journal of Engineering Research and Sciences.

CERTIFICATION COURSE

- Certificate awarded for passing the course NBA ACCREDITATION AND TEACHING-LEARNING IN ENGINEERING(NATE) by NPTEL, funded by the ministry of HRD, Govt. of India.
- Certificated awarded for Participation in the IIC online sessions conducted by IIC of MHRD's Innovation Cell, New Delhi from 28th April to 22nd May 2020.
- MICROSOFT Certificate awarded for completing the requirements of AZURE AI FUNDAMENTALS, Date issued: October 21,2022. Microsoft Certification ID is: **994028069.**

BOOK PUBLISHED   :

1. Book entitled " **Data Security and Privacy Preserving Mechanisms in Networks**" published by **Lambert Academic Publishing in 2020**.
2. Book entitled " **Design Thinking and Innovation**" published by **GCS Publishers, in 2023**

COPY RIGHT FORM   :   COPY RIGHT OFFICE GOVT. OF INDIA

Title of the work   : **A NOVEL INTELLIGENT CLOUD COMPUTING BASED URBAN TRAFFIC MANAGEMENT SYSTEM**

Registration Number   :   **L-97684/2020**

Nature of the applicant's interest in the copyright of the work :   **OWNER**

Author   : **DR.K RAMESH RAO** ,

Professor, PVKK Institute of Technology,

Anantapuramu-515001,(A.P)-INDIA

Date: 14/12/2020