

**Name of the Faculty**

Designation

Date of Joining

E - Mail

**Dr. A. Ramesh Babu**

Associate Professor &amp; HOD

14-07-2004

hodit@jbiet.edu.in

**Educational Qualifications**

Ph. D

PG

UG

**Name of the Degree**

Doctor of Philosophy (CSE)

M. Tech (CST)

B.Tech (ECE)

**Institute**

JNTUH

Andhra University

Nagarjuna University

**Work Experience**

Teaching

22 Years

Research

10 Years

Industry

1 Year

**Responsibilities held at the central level in college**

- Criteria 5 department level Coordinator for NAAC and Criteria 7 coordinator for NBA

**Responsibilities held at the departmental level in college**

- BOS Chairman, IT Department.
- Worked as In-charge HOD for B.Tech. CSE, JBIET.
- BOS member of CSE Dept, JBIET
- Developed new courses in Curriculum for CSE, JBIET.
- Designed external question papers for various colleges for various subjects
- Designed syllabus for various subjects and labs at UG and PG level
- Worked as Class incharge.
- Worked as PG coordinator from 2006 to 2013
- Held about 20 different courses at UG & PG

**Courses Handled at UG & PG Level****Research Guidance for M. Tech/ Ph. D Student**

- Guided 16 projects at PG level and 31 projects at UG level.

**SCIE Journals**

- 01

**SCOPUS Indexed**

- 03

**UGC Journals**

- 14

**ORCID ID** orcid.org/0000-0003-4722-4573

**Google Scholar ID** user=bARcc2IAAAAJ&hl=en

**H-Index** 8

### **Patents: 03**

- Ramesh Babu.A et.al, "MACHINE LEARNING-BASED ADAPTIVE LEARNING PATH SYSTEM AND METHOD", Application number: 202441055868 A, Date of filing: 22/07/2024, Published on: 02/08/2024.
- Ramesh Babu.A et.al, "DEEP LEARNING MODEL FOR THE SMART DEVELOPMENT OF AUTOMATIC SOLAR LIGHT TRACKING STRUCTURE ", Application number: 202441067605 A, Date of filing: 24/11/2022, Published on: 02/12/2022.
- Ramesh Babu.A et.al,"RECURRENT NEURAL NETWORK WITH ADAPTIVE LONG SHORT-TERM MEMORY UNITS FOR SEQUENCE MODELLING",Application number: 2023 106 653.4 A, Date of filing: 13/11/2023, Published on: 22/12/2023.

### **Science Citation Index Expanded (SCIE) Journals**

- Communicated one research paper for SCIE journal.
- Suresh Dara, Ambedkar Kanapala, A Ramesh babu, Swetha Dhamercherla and Ankit Vidyarthi, Scalable Federated-Learning Big Data Architecture Towards IoMT-Assisted Covid-19 Chest CT Medical Image Classification, Computers and Electrical Engineering, ISSN 0045-7906(Impact factor: 4.152). Q1-Journal.

### **SCOPUS/Other Indexed Journals:**

- Communicated two research papers for SCOPOUS journals.
- Ramesh Babu et.al, Hybrid Machine Learning Based Heart Disease Prediction System,Volume-14,Issue-02(Feb 2024), 2457-0362 ,Pages:305-309.
- Ramesh Babu et.al, Enhancing AI Optimization with Chaotic Maps:The Oscillating Chaotic Sunflower Optimization Algorithm,Vol.33,No.5,669-681(2024),Journal of Computational Analysis and Applications.(SCOPUS Indexed)
- Babu, A.R., Upadhayaya, N. A Framework for Collaborative Computing on Top of Mobile Cloud Computing to Exploit Idle Resources. Ann. Data. Sci. 10, 1635–1651 (2023). <https://doi.org/10.1007/s40745-022-00390-z>.(SCOPUS Indexed)
- Ramesh Babu.A, Dr.Niraj Upadhayaya, An Energy Efficient And Deadline Constrained Heuristic Algorithm For Dynamic Offloading Of Tasks In Mobile Cloud Computing Environment, Webology,18, 4302-4315.(SCOPUS Indexed)
- Ramesh Babu.A,Dr.Niraj Upadhayaya, Collaborative Computing with Mobile Cloud Computing ,International Journal of Management, Technology And Engineering, Volume-9,Issue-6, 2249-7455 ,Pages: 4363-4372.
- Varshitha Kodam, Donthagani Srikala, Fahad Shaik,Levi Lazarus, and A Ramesh Babu, Cardio Vascular Diseases using supervised Machine Learning Techniques, International

Journal of System Design and Information Processing. Volume -11, Issue-3, 2319-9288, 226-231.

- Ramesh Babu.A et.al, Post Covid Prediction Using Machine Learning, International Journal of System Design and Information Processing. Volume -11, Issue-3, 2319-9288, 116-120.
- Firdous Fathima , B.Sai Keerthana , K.Sowmya , G.Sai Kalyan ,A.Ramesh Babu, Cyberbullying Detection On Social Media Platforms Using Machine Learning, International Journal of System Design and Information Processing. Volume -11, Issue-3, 2319-9288, 221-225.
- E Y Harish Sai Kumar, Ramesh Babu. A, External Auditor Dealing With Deep Cyber Security of Open Networks, IJITR, Volume-8,Issue-1,Jan-2020,ISSN:2320-5547,Pages:9482-9484.
- S.N.V.Vijay, Ramesh Babu. A, Discovery Of Node Jamming Attacker In Mobile Wireless Networks Probabilistic Approach, International Journal Of Innovative Technology and Research,Volume-6,Issue-6,Nov-18,ISSN:2320 -5547,Pages:8855-8857.
- M.Renuka, Ramesh Babu. A, Building Of An Efficient Framework For Newly Uploaded Image, International Journal Of Reviews On Recent Electronics And Computer Science,Volume-4,Issue-9,Sep-16,ISSN:2321-5461,Pages:7479-7485.
- Gummadi Ausha, Ramesh Babu. A, Location based query using K-Anonymity on location server to provide privacy, International Journal of Research.(IJR),Vol.2,Issue-12, Dec.-2015,e-ISSN:2348-6848,p- ISSN: 2348-795X .
- Arkala Vijay Kumar, Ramesh Babu.A, Extracting Messages from the Social-network, International Journal of Innovative Technologies.(IJI TECH),Volume-3,Issue-1, May.-2015,ISSN:2321-8665,Pages:0026-0029.
- Ramesh Babu.A,A Survey on Secure Group Communication in Mobile Adhoc Network using Indexed Key Management, International Journal of Computer Information Engg. Tech.(IJCSIET),Volume-3,Issue-4,Dec.-2014,ISSN:2277-4408.
- Ramesh Babu.A, An Enhancement of Random Pair-Wise Distributorship Scheme for WSN, International Journal of Computer Information Engg. Tech.(IJCSIET),Volume-2,Issue-5,June -2015,ISSN:2277-4408.
- Ramesh Babu.A, Error Data Detection in WSN using Dynamic security protocol, International Journal of Computer Information Engg. Tech. (IJCSIET),ISSN:2277-4408//01102012-002.
- Ramesh Babu.A et.al, Encryption Method in Cryptographic Key Management Wireless Ad Hoc Networks “in International Journal of Computer Information Engg. Tech.ISSN:2277-4408//12/12-002.

#### **Workshops/Seminars /Training Programs Attended:**

- Attended one week ATAL FDP on “The Revolution of Large Language Models in AI” hosted by Department of AI, VJIT, Hyderabad.
- Attended one week FDP on “ Computational Intelligence using Machine learning Techniques” conducted at TKRCET, Hyderabad.
- Attended one week FDP on “Design of Experiments using Taguchi Approach” conducted at TKRCET, Hyderabad.

- Attended one week FDP on “Advances in Cloud Computing” conducted at BVRIT, Narsapur, Medak Dt., Telangana.
- Attended one week FDP on “Internet of Things” conducted at JBREC, Moinabad, R.R.Dt., Hyderabad.
- Attended one week Workshop on “Statistical Analysis with R” conducted at JBIET, Moinabad, R.R.Dt., Hyderabad.
- Attended two-day Workshop on “Significance of Outcome Based Education in achieving Excellency” conducted at JBIET, Moinabad, R.R.Dt., Hyderabad.
- Attended a one-day Workshop on “Incubation and Innovation Ideas” conducted at JBIET, Moinabad, R.R.Dt., Hyderabad.
- Attended two-day Workshop on “Code Modernization” Conducted by Intel software, Hyderabad.
- Attended two day Workshop on “Research Methodology in Science, Engineering & Management” conducted at JBIET, Moinabad, R.R.Dt., Hyderabad.
- Attended One Week TECS Workshop on “Practical Program Verification “conducted at Deccan Park-TCS, Hyderabad.
- Attended short term course on “Methods of Improving Teaching Techniques “conducted by Technical Teacher’s Training Institute Chennai, at GMR Institute of Technology, Rajam.
- Attended(AICTE) training program on “Software Quality Assurance and Testing”  
Conducted at Aurora’s Engg. College, Bhuvanagiri.
- Attended Seminar on “Free Open Source Software “in University of Hyderabad.
- Attended Workshop conducted by “Euro-India ITC cooperation “at University of Hyderabad.
- Attended AICTE sponsored staff development program on “Object Oriented Modeling “conducted at KITS, Warangal.
- Attended Workshop on “TCP/IP Networks & Protocols “Jointly organized by the JNTU and SIST under TEQIP at JNTU, Hyderabad.
- Attended One Week refresher program for faculty on “C Programming and Data structures” Organized at JBIET, Moinabad.