

Name of Faculty Dr. S CHINA RAMU  
 Designation Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 18 – 06 – 1998  
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| Education Qualifications | Name of the Degree                                  | Class   |
|--------------------------|---|---------|
| Ph. D                    | Doctor of Philosophy (Computer Science Engineering) | Awarded |
| PG                       | M. Tech. (Computer Science Engineering)             | First   |
| UG                       | B. Sc. (with Electronics)                           | First   |

Work Experience

|          |  |
|----------|--|
| Teaching | 26 Years (Including Research Experience) |
| Research | 14 years                                 |
| Industry | --                                       |
| Others   | --                                       |

Area of Specialization Mobile Databases, Data Science and Data Analysis

Professional Memberships

FM IETE No-F-501825  
 Member, IAENG Number: 225894

- Worked as In-Charge, Academics and Examinations, from 03-08-2017 to 26-08-2019.
- Worked as Convener, WBC, from 03-08-2019 to 26-03-2021
- Convener, Malpractice Committee, from 03-08-2018 to 26-08-2019.
- Nodal Officer, PMSSS, from 03-08-2017 to 26-08-2019.
- Member, Academic Council, from 03-08-2018 to 26-08-2019.
- Convener, NIRF, from 14-11-2018 to 26-08-2019.
- Convener, ARIIA, from 14-11-2018 to 26-08-2019.
- Worked as Co-In-Charge, Academic and Examinations in from 01-03-2010 to 31-03-2013.

Responsibilities held at Institution Level

- Member - Board of Studies,
- Member - Course Expert Group

Responsibilities held at Department Level

1. Member - Board of Studies,  
 2. Member - Course Expert Group

Research Guidance

S. NARASIMHA RAO, April 2023, "Data Prediction of Linear and Non-Linear Time Series Data using Ensemble Learning", Department of Computer SCIENCE and Engineering, University College of Engineering (A), Osmania University

Awards/Appreciations Received

- Jyesta Acharya Award of Recognition – Recognizing Exemplary Contributions of Research and Education by BEE Awards 2021-22
- Certificate of recognition by The Academic Council of uLektz as one of the Top 20 Distinguished HoDs (CSE or IT Department).
- Appreciation Certificate from AICTE – Member, Independent Expert Committee for Evaluating the Solutions/Courses of NEAT 2.0
- Certificate of Appreciation – Best paper and recognized as an outstanding contribution to the International Conference on Robotics and Cyber Physical Machines – Paper Title “Selective Weighting Histogram Shifting for Images in Cyber-Physical Systems”

Courses Handled at Under Graduate / Post Graduate Level. Software Engineering, DBMS, OOSD, Decision Theory, Data Structures, Operations Research, and Fundamentals of Programming Languages

No. of Papers Published

|                          |                               |
|--------------------------|-------------------------------|
| National Journals – Nil  | International Journals – 29   |
| National Conference – 01 | International Conference – 04 |

|  |   |
|--|---|
| Projects Carried out / Consultancy   | <ol style="list-style-type: none"> <li>Govt. of India, Dept. of Science and Technology (DST) under FIST Program' 2022. Received Fund of ₹ 57 Lakhs, for establishing (i) Virtual/ Augmented Reality Lab (ii) Robotics &amp; Industrial Automation Lab in Dept. of CSE of Chaitanya Bharathi Institute of Technology, Hyderabad – 500075, Fund sanction order no: SR/FST/COLLEGE-/2022/1239, Proposal under “FIST Program – 2022”, [TPN – 83083] dated 19th December 2022 <b>(Ongoing)</b></li> <li>Internship Consultancy MoU with Vroomster technologies <b>(Ongoing)</b></li> </ol>   |
| Patents  | <ol style="list-style-type: none"> <li>Patent published: Application No. 202341041875 Title of the invention: A System and Method for Securing Automated ATM Transactions Using Face Detection Techniques. Name of Inventors: 1) Saima Baren Mirza, 2) Dugyala Raman, 3) S. China Ramu, 4) Sugandha Singh, 5) R R Reddy.</li> <li>Patent published: Application No. 202141038591 Title of the invention: Real Time Multi Class Cardio Arrhythmia Classification, Based on DNN Implemented in the IoT Cloud Platform. Name of Inventors: 1) K. Jaya Sankar, 2) Dr. C. Ramesh Kumar Reddy, 3) S. China Ramu, 4) Buddha Chandra Sekhar, 5) M. V. Ramana Murthy, 6) B. Venugopal Rao, 7) P. Sathyanarayana, 8) Syed Salahuddin</li> <li>Patent published: Application No.202141042980, Title of the invention: Smart Agriculture Using Sensors in Internet of Things (IOT) Name of Inventors: 1) K. Jaya Sankar, 2) Dr. C. Ramesh Kumar Reddy, 3) S. China Ramu, 4) Dr.S. Jeelani, 5) Dr. Hanmant Sambhaji Fadewar 6) Dr. A. Prema, 7) P. Sathyanarayana, 8) M. V. Ramana Murthy, 9) Bhaskar Niraghatam.</li> <li>Patent published: Application No.202141052788 A; Title of the invention: WSN Framework Internet of Things (IoT) for Energy Efficient and Reliable Sustainable Agricultural Production, 1) Dr. C. Ramesh Kumar Reddy, 2) S. China Ramu, 3) Dr.Hanmant Sambhaji Fadewar 4) Dr.S. Jeelani, 5) P. Sathyanarayana 6) Bhaskar Niraghatam, 7) S. Ramana , 8) Shaik Mahaboob Sharief, 9) M. V. Ramana Murthy</li> </ol> |
| Technology Transfer  | --  |
| Invited Speaker / Guest Faculty / Resource Person  | <ol style="list-style-type: none"> <li>Resource person for the AICTE-STTP on “Data Science for Big Data Analytics in Cloud using Advanced Tools”, CSE Dept. CBIT, 18-12-2020.</li> <li>Keynote Speaker talk on “Understanding of Case Study Concept in Software Engineering” in International Conference on Electrical Electronics Mechanical and Computing (ICEEMC2019), Indore, 29<sup>th</sup> &amp; 30<sup>th</sup> March, 2019.</li> </ol>   |
| No. of Books/Chapter Published with details  | <ol style="list-style-type: none"> <li>Published Four Chapters -- Book Titled “Perspectives of IoT &amp; its Applications”, 2021, Archers &amp; Elevators Publishing House</li> <li>Published One Chapter -- Book Titled “Network Security: Perspectives and Challenges”, 2019, Archers &amp; Elevators Publishing House.</li> </ol>  |
| Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized). | <ol style="list-style-type: none"> <li>Participated in Online National One Week FDP on “ICT Tools for Effective Teaching Learning” organized by Kamala Nehru Mahavidyalaya, Nagpur during 29<sup>th</sup> May to 3<sup>rd</sup> June 2023.</li> <li>Participated in “One-Day FDP on Real Time Machine Learning Techniques and its Applications” organized by the School of Electronics Engineering at VIT-AP University, Amaravati on 25th July 2022</li> <li>Participated in "International Conference on Computational Intelligence and Sustainable Development - 2022" entitled Comparative Study of Linear and Non-Linear Time Series Data using Ensemble Model for Covid19, CHAITANYA (DEEMED TO BE UNIVERSITY) during 22-23 April, 2022</li> <li>Participated in Webinar on “Data Science Basics and its Applications” organized by MIT, Meerut, 26<sup>th</sup> Feb 2022</li> <li>Successfully completed AICTE - ISTE Sponsored 6-days Online Induction Program on Value Based Education System – Current and Future Scenario, organized by Panimalar Institute of Technology,</li> </ol>  |

Chennai during December 13- 18, 2021

6. Successfully completed AICTE Sponsored 6-days Short Term Training Program on Professional Communication, organized by Birla Institute of Technology, Mesra during March1- 6, 2021
7. Successfully completed 10 days FDP "Blockchain Technology & Its Applications", conducted by EduxLabs in association with E Cell, IIT - Hyderabad during From 2nd March to 14th March 2021 (6 PM to 9 PM IST)

#### **International/National Journal/conference from the year 2018**

1. S. China Ramu, Raman Dugyala, Sugandha Singh, Saima Bareen Mirza, "Authorizing Secure Atm Transactions Using Face Detection and Telegram", EUR. CHEM. BULL. 2023, 12(SPECIAL ISSUE 10), 314 – 321, ISSN 2063- 5346
2. K Prashanth, S China Ramu, K. Raghu Ram Mohan Reddy, Sukanya Ledalla, Raman Dugyala, G. Vijendar Reddy, Yerragudipadu Subbarayudu, "Distributed Decentralized Smart Contracts on Block Chain Marketplace for Books Through Ethereum", EUR. CHEM. BULL. 2023, 12(SPECIAL ISSUE 10), 2760 – 2776, ISSN 2063- 5346
3. Anusha Ellapagari, Preethi Gadipeddapur, Dr. S China Ramu, "An Automated Pothole Detection and Alert System Road Safty Using CNN Vgg-19 Model", TIRUNELVELI/ICDICI2023, 27-28/06/2023
4. Ravi Uyyala, S CHINA RAMU, "Selective Weighting Histogram Shifting for Images in Cyber-Physical Systems" International Conference on Robotics and Cyber-Physical Systems (ICRCPM - 2023), Hyderabad, Telangana, India during 28 to 29 April 2023
5. Ravi Uyyala, S CHINA RAMU "Rhombus Context Based Gradient Estimation for Reversible Data Hiding" in the 2nd International Conference on Advances in Signal Processing & Communication Engineering (ICASPACE-2023) Springer, organized by Department of Electronics and Communication Engineering, Mahatma Gandhi Institute of Technology(A), Hyderabad, Telangana, India during 28 to 29 April 2023.
6. Shivratri Rao, S. China Ramu,"Comparative Study of Linear and Non-Linear Time Series Data Using Ensemble Model For COVID19", International Conference On Innovative Computing & Communication (ICICC) 2022 , July 05-06, 2022
7. Ramana, S., Dr. S. China Ramu, Bhaskar, N., Murthy, M.V.R., Reddy, C.R.K. "A Three-Level Gateway Protocol for Secure M-Commerce Transactions using Encrypted OTP" International Conference on Applied Artificial Intelligence and Computing ICAAIC 2022,ISBN:978-1-6654-9709-1,1415-1423, 978-1-6654-9710-7/22/\$31.00 ©2022 IEEE
8. K. Jaya Sankar, M.V Ramana Murthy, S. China Ramu, G. Kumara Swamy and A. Swathi, "Qualitative Analysis and Modeling of Advanced Vertical MESFET in Deep Submicron Technology", Positif Journal, ISSN No: 0048-4911, Vol 22, Issue 6, 2022, pp. 462 - 468
9. S. Ramana, S. China Ramu, N. Bhaskar, M.V. Ramana Murthy," A Two-level Authentication Protocol for Secure M-Commerce Transactions using Encrypted OTP", Kalahari Journals, ISSN: 0974-5823, Vol. 7, No.3, March, 2022
10. Shivaratri Narasimha Rao, Dr. S. China Ramu, "Linear Ensembling of Time Series Ecological Variables of COVID 19", Kalahari Journals, ISSN: 0974-5823, Vol:7, No:2, February 2022
11. Srinivasachary Sirisinahal, MV Ramana Murthy, S.China Ramu, C R K Reddy, "Improvement of Data Security and Privacy in the Wireless Sensor Network Using Elliptical Curve Cryptography", Kalahari Journals, ISSN: 0974-5823, Vol:7, No:1, January 2022
12. Srinivasachary Sirisinahal, MV Ramana Murthy, S China Ramu (2021) "Usage of Elliptic Curve Cryptography Technique for the Data Security and Privacy in the Wireless Sensor Network", Nat.Volatiles & Essent. Oils, Volume 08, Issue 04 pp. 6208-6213.
13. Shivaratri Narasimha Rao, S. China Ramu (2021) "A Survey on Time Series Prediction using Machine Learning", Journal of Cardiovascular Disease Research, ISSN: 0975-3583, 0976-2833 VOL 12, Issue 03, pp. 1329-1336.
14. P. Regina. M. V. Ramana Murthy, and S. China Ramu (2021) "Risk Prediction of Covid-19 based on Medical Reports", GIS Science Journal, ISSN NO: 1869-9391, Volume 08, Issue 04 pp. 433-445, DOI: 20.18001.GSJ. 2021.V8I4.21.36920.
15. S Ramana, N. Bhaskar, S. China Ramu, and M. V. Ramana Murthy (2021) " A Two-Level Authentication Protocol for Secure M-Commerce Transactions using AMQP Protocol" ISSN: 0011-9342 Year 2021 Issue: 6, pp. 844- 861
16. S. China Ramu, N. Srinivas, K. Jaya Sankar and M.V. Ramana Murthy (2020) "ADAPTIVE SPATIAL-TEMPORAL FILTER (ASTF) AND ENHANCED RECURRENT NEURAL NETWORK (ERNN) FOR VIDEO SUMMARIZATION". Congratulations, Journal of Critical Reviews, ISSN- 2394-5125, Volume 07, Issue 04 pp. 1417-1436.
17. Bhaskar Niraghatam, S. China Ramu, V. Subba Ramaiah and M. V. Ramana Murthy (2020) "High productivity and Safety in Aquaculture using IoT", Journal of Xidian University, ISSN No:1001-2400, Volume 14, Issue 4 pp. 2208-2216.
18. Bhaskar Niraghatam, M. V. Ramana Murthy, S Ramana, and S. China Ramu (2020) "Efficient Load Balancing approach in Cloud Computing using Honey Bee algorithm", Journal of Interdisciplinary Cycle Research, ISSN NO: 0022-1945, Volume XII, Issue I pp. 479-483
19. N Bhaskar, G R Rama Devi, S. China Ramu, M. V. Ramana Murthy, and N Vaageeswar (2019) "Resource Management in Fog Networking of Cloud Computing using KNN Algorithm", International Journal on Future Revolution in Computer Science & Communication Engineering, ISSN: 2454-4248, Volume 5 Issue 7 pp. 20 – 24

20. P. Regina, S. China Ramu, M. V. Ramana Murthy, C. R. K. Reddy (2019), "Extended algorithms for mining frequent patterns using Decision tree in R" International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Volume 10 Issue 4 pp. 13-19
21. S. Ramana, N Bhaskar, M. V. Ramana Murthy, and S. China Ramu (2019) "Mobile Commerce using ECC and MQTT Protocol", IAPE-19, Oxford United Kingdom, ISBN: 978-1-912532-05-6, pp. 1-9
22. Lakshmi Sreenivasa Reddy D, and S. China Ramu (2018)" Identification of Rare Diseases: An Outlier Analysis Approach", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 13, Number 14 pp. 11448-11453.
23. P. Satyanarayana, M.V. Ramanamurthy, S. China Ramu, and Mustafa Abdu Lrazzaq Radhi Almusawi (2018) "Secure Data Access in cloud with Multi-User Encrypted SQL Operations", International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 13, Number 7 pp. 4791-4795.
24. K. Ramesh Babu, S. China Ramu, and M. V. Ramana Murthy (2018) "Understanding of case study concept in Software Engineering", International Journal of Latest Trends in Engineering and Technology, e-ISSN:2278-621X, Volume 10 Issue 1 pp.175-181.
25. Suvarna Lakshmi C, M.V. Ramanamurthy, Rajani Bellamkonda, and S. China Ramu (2018) "A Hybrid of Improved Bulls and Weighted Round Robin to optimize the Leader and load Balancing in Cloud and Distributed Computing Environment", International Journal on Future Revolution in Computer Science & Communication Engineering, ISSN: 2454-4248, Volume 4 Issue 1 pp. 09 – 16.

