| | | |
|---|---|---|
| Name of Faculty | Dr. R RAVINDER REDDY | |
| Designation | Professor | |
| Nature of Job/Appointment | Contract | |
| Date of Joining | 21 – 06 - 2004 | |
| E-mail | rravinderreddy_cse@cbit.ac.in | |
| **Education Qualifications** | **Name of the Degree** | **Class** |
| Ph. D | Doctor of Philosophy (CSE) | Awarded |
| PG | M. Tech. (CSE) | Distinction |
| UG | B. Tech. (CSE) | Distinction |
| Work Experience | | |
| Teaching | 16 Years | |
| Research | 08 years | |
| Industry | -- | |
| Others | -- | |
| Area of Specialization | Machine Learning, Anomaly Detection, Network Security | |
| Professional Memberships | 1. LMCSI<br>2. LMISTE ( LM-105058) | |
| Responsibilities held at Institution Level | 1. Coordinator for M.Tech (CSE), from 27-05-2020 to till date.<br>2. IIC Innovation Ambassador, from 01-11-2019 to till date.<br>3. Convener for PRERANA Scheme, from 2019 t0 till Data<br>4. Worked as SPOC for SmartIndiaHackathon, from 27-11-2016 to 01-09-2019.<br>5. Worked as Scrutinizer in COE for a period of One Year, from 01-07-2018 to 01-07-2019. | |
| Responsibilities held at Department Level | 1. Member Board of Studies,<br>2. Member, Performance Assessment Committee<br>3. Member, Course Expert Group | |
| Research Guidance | -- | |
| Awards Received | Best Teacher Award in CBIT 2018 | |
| Courses Handled at Under Graduate / Post Graduate Level. | Machine Learning, Deep Learning, Data Mining, Cryptography and Network Security, Operating Systems, Computer Networks, Distributed Systems, PPS, Data Structures, OOPS | |
| No. of Papers Published | International & National Journals – 14<br><br>National & International Conference – 12 | |
| Projects Carried out | 03 | |
| Patents | -- | |
| Technology Transfer | 02 | |
| Invited Speaker | 1. Delivered a lecture on "Computer Organization and Architecture" at Avanti College of Engineering, Under CSI Student chapter, held on 11-11- 2019.<br>2. Delivered a lecture on "Data base system" at Avanti College of Engineering, Under CSI Student chapter held on 16-04- 2019.<br>3. Delivered a lecture on "Intelligent of Things" in AICTE-ISTE Sponsored Workshop at CBIT.<br>4. Delivered a lecture on "Machine Learning" for Final year students at Avanti College of Engineering, held on 08-10-2018.<br>5. Dr.R Ravinder Reddy delivered a Lighting Talk on "Artificial | |

Intelligence based Internet of Things" during the Seventh International Conference on Advances in Computing, Communications and Informatics (ICACCI'18), held at PESIT, Bangalore, India during 19-09-18 to 22-09-2018.

6. Dr.R Ravinder Reddy, Chaired a sessions on "Poster Session" in the Seventh International Conference on Advances in Computing, Communications and Informatics (ICACCI'18), held at PESIT, Bangalore, India during 19-09-18 to 22-09-018.

7. Delivered a lecture on "NP hard and NP Complete problems" on 23-03-2018, at AV College for PG Computer Science Students, Hyderabad.

8. Chaired a Conference Track titled "Big data & data mining" in the International Conference on Artificial Intelligence & Cognitive Computing (AICC-2018) held during 02-02-18 to 03-02- 2018.

9. Delivered a lecture on "Privacy Preserving in Big Data analytics" in the "Four day National Level Faculty Development Program on Big Data Analytics, Applications and Research Trends" at OUCIP, Hyd., during 8-04-17 to 11-04- 2017.

10. Delivered a lecture on "Authentication and key distribution protocols" at Avanthi College of Engineering, April 2017.

11. Delivered a lecture on "PGP and Web Security" at Avanthi College of Engineering, April 2017.

12. Delivered a lecture on "Privacy Preserving in Data mining" Hands on Session in A Two Day National Workshop On "Privacy Preserving and ICT: Research Ideas" 02-03-17 to 03-03- 2017 at CBIT.

13. Delivered a lecture on "Privacy Preserving in Big Data analytics" in the one week National Level FDP on Emerging Trends, Issues and Challenges in Big Data and Cloud Computing: ETICBDCC-2017 from 20-02-17 to 25-02-2017 at CBIT.

| | |
|---|---|
| No. of Books/Chapter Published with details | **1.** Dr.R Ravinder Reddy **et.al** published a book chapter on **"**Location Aware Keyword Query Suggestion Techniques with Artificial Intelligence Perspective" **in** COMPUTATIONAL ANALYSIS AND DEEP LEARNING FOR MEDICAL CARE BOOK CHAPTER WILEY, ISBN: 9781119785729, july 2021.pp:35-51.<br><br>**2.** R. Ravinder Reddy, **et.al** published a book chapter on "Security Threats in IoT with Special Emphasis on Blockchain" volume, Handbook of Research of Internet of Things and Cyber-Physical Systems: An Integrative Approach to an Interconnected Future, ISBN hard: 978-1-77463-834-7<br><br>**3.** R Ravinder Reddy, et al, "NEW Performance Analysis of Synchronous Ciphers" ISBN: 9783659139840, Lambert Academic Publishing. |

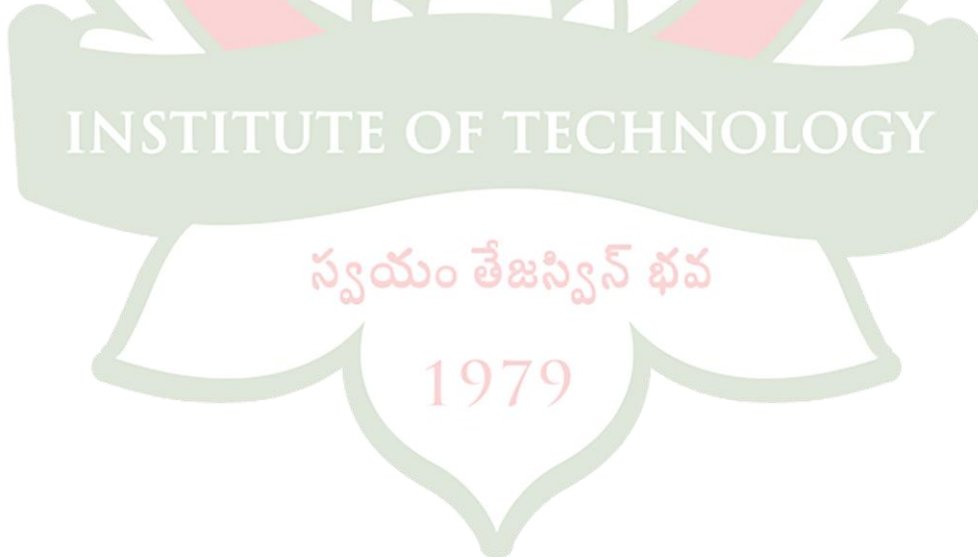| Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized). | 1. Dr. R. Ravinder Reddy has participated in a two weeks (40 hours) online Faculty Development Programme on "Deep Learning & Applications (Parallel Architectures)" jointly organized by the Electronics and ICT Academies at IIT Guwahati, IIT Kanpur, IIT Roorkee, MNIT Jaipur, NIT Patna, NIT Warangal and PDPM IIITDM Jabalpur during Aug 23- Sept 3, 2021 under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" of the Ministry of Electronics and Information Technology (MeitY), Government of India |
|---|---|
| | 2. Attended two week FDP E&ICT, IIT, Guwathi, NIT Patna on "Machine Learning for Computer Vision Program" June 29-July 8, 2020 |
| | 3. Participated in the IIC online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell from 28th April to 22nd may 2020. |
| | 4. Attended One week Faculty Development Program on "Outcome Based Education and NBA Accreditation Process- (UG)" during 28-05-2020 to 01-06-2020. |
| | 5. Participated in "Internet of Things (IoT) and Data Analytics" during 23-3-2018 to 24-03-2018 at Department of Computer Science and Engineering, University College of Engineering (A), Osmania University, Hyderabad. |
| | 6. Successfully completed Machine Learning, Operating System, Introduction to algorithms NPTEL courses. |
| | 7. Successsfully completed Machine Learning using Python Online Project-based Course (NEAT). |
| | 8. Successfully completed Applied Plotting,charting and Data Representation in Python by University of Michigan. |
| Details of Journal Publications/ Conferences (National and International) | |

International/National Conferences

1. Dr.R Ravinder Reddy, **K.Ayyappa Reddy**, C Madan Kumar, Dr.Y Ramadevi, Presented a paper on "Detection of Network Anomaly Sequences using Deep Recurrent Neural Networks" in 4 th International Conference on SMART COMPUTING & INFORMATICS ( SPringer) 9th-10th October 2020

2. Dr R. Ravinder Reddy, et.al Presented a paper on "A Review on Machine Learning Trends, Application and Challenges in Internet of Things." 2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI). IEEE, 2018.

3. Dr. R Ravinder Reddy et.al, Presented a paper on "Review on Neuralink: A Fully Implanted Wireless Invasive Brain Machine Interface" 2nd National Conference on Computational Methods, Data Science and Applications, organized by Dept. of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad on 24 & 25th May 2021.

4. Dr. R Ravinder Reddy et.al, Presented a paper on "Network Flow Analysis Using Machine Learning", 2nd National Conference on Computational Methods, Data Science and Applications, organized by Dept. of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad on 24 & 25th May 2021.

5. Dr. R Ravinder Reddy et.al, Presented a paper on (2021) "Ground Water Level Analysis & Prediction", 2nd National Conference on Computational Methods, Data Science and Applications, organized by Dept. of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad on 24 & 25th May 2021.

6. Dr. R Ravinder Reddy et.al, Presented a paper on (2021) " A Trust Based Method for Providing Secure Data Transmissions in Mobile Adhoc Networks", International Conference on Emerging Trends in Circuit-branch Technologies and Applications (ETCTA-2021), Organized by Dept. of CSE, ECE, EEE, IT and MCA, CBIT, Hyderabad on 3 & 4th April 2021. ISBN: 978-1-68576-062-5.

7. Dr. R Ravinder Reddy et.al, Presented a paper on "**Detection of plant Disease Using Image Processing based on KNN and GLCM Algorithms**" International Conference on Emerging Trends in Circuit-branch Technologies and Applications (ETCTA-2021), Organized by Dept. of CSE, ECE,

EEE, IT and MCA, CBIT, Hyderabad on 3 & 4th April 2021. ISBN: 978-1-68576-062-5.

8. Dr. R Ravinder Reddy et.al, Presented a paper on presented a paper on "Emotion Analysis in Text using TF-IDF" in 11th IEEE International Conference on Cloud Computing, Data Science & Engineering (Confluence) | 978-1-6654-1451-7/20, IEEE | DOI: 10.1109/Confluence51648.2021.9377159.

9. Supriya, Dr R. Ravinder Reddy, Dr.Y Ramadevi, "A Survey on Emotion's Recognition Using Internet of Things." First International Conference on Artificial Intelligence and Cognitive Computing. Springer, Singapore, 2019.

10. Dr R. Ravinder Reddy, Dr.Y Ramadevi, Dr.K V N Sunitha, "Enhanced anomaly detection using ensemble support vector machine." 2017 International Conference on Big Data Analytics and Computational Intelligence (ICBDAC). IEEE, 2017.

11. R. Ravinder Reddy, Dr.Y Ramadevi, Dr.K V N Sunitha,"Systematic Approach to Intrusion Evaluation Using the Rough Set Based Classification." Innovations in Computer Science and Engineering. Springer, Singapore, 2017. 217-223.

12. R Ravinder Reddy Dr.Y Ramadevi, Dr.K V N Sunitha,, Presented a paper in National Conference on Computational Techniques and Applications on "Explicit rate multicast congestion control" Organized by Shri Vaishnavi Instite of Management, Indore(M P) India. ISBN: 978-81-920913-5-8, promoted by IEEE ,NACTA-2011,jun 18,2011, pp:106-113.

13. R Ravinder Reddy, E Padmalatha, CH Mamatha, Presented a paper entitled "Real Time Intrusion Detection Based on DDOS attacks "in Second National Conference on Current Trends in Advanced Computing (CTAC-11), on 1-2 April 2011, At Kristu Jayanti College of Management and Technology, Banglore, India.

International/National Journals

14. N. Revathi1 , **Dr. R. Ravinder Reddy** (Aug 2021) "Neural Machine Translation Using Sequence Modeling" International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 9 Issue VIII Aug 2021, PP.2153-2169.

15. M Venkata Krishna Reddy, Dr. R. Ravinder Reddy, Dr. E. Padmalatha (June 2021) "Packet Filtering Approach for Attack Detection in Networks ", Journal of Huazhong University of Science and Technology, ISSN : 1671-4512, Vol 50, Issue 6, pp. 01 – 05.

16. **Dhanush Pakanati , Gourav Thanner**, R. Ravinder Reddy published "Design of College Chatbot using Amazon Web Services" in International Journal of Scientific Research & Engineering Trends Volume 6, Issue 6, Nov-Dec-2020, ISSN (Online): 2395-566X

17. Anees Fatime, Bhavaya,Dr. R Ravinder Reddy(2020), "Land Classification using Convolutional Neural Networks" International Journal of Recent Technology and Engineering (IJRTE)' publish at Volume-9 Issue-2, July 2020.

18. Dr.R Ravinder Reddy, Ch Mamatha(2020) "Security threats in IoT with special emphasis on Blockchain: A Review" Journal of Critical Reviews, Scopus indexed, will available online from, August edition 2020.

19. Dr R. Ravinder Reddy, Ch Aparna Devi, Dr.Y Ramadevi(2020), "A Review on the Evolution of resource Description Framework" in International Journal on Computer Science and Engineering, ISSN:0975-3397 Vol.9(9), UGC approved and Peer Reviewed journal, PP:565-572.

20. E.Padmalatha, S.Sailekya, R.Ravinder Reddy, Ch.Anil Krishna ,K.Divyarsha(2019), "Sign Language Recognition", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019 (SCOPUS)

21. S. Ananthakumaran, M. Sathishkumar, R. Bhavani, R. Ravinder Reddy(2020), "Prevention of Routing Attacks using Trust-Based Multipath Protocol", International Journal of Advanced Trends in Computer Science and Engineering, Vol:9(3), May – June 2020, 4022 – 4029. (SCOPUS)

22. Dr R. Ravinder Reddy, G Bharath Kumar Reddy, Ch Mamatha(2018), "A Review on the Intelligence of Things" in International Journal of Pure and Applied Mathematics (Scopus indexed) Volume 120 No. 6 2018, PP:3349-3362,ISSN: 1314-3395.

23. Dr R. Ravinder Reddy, G Bharath Kumar Reddy, Ch Mamatha, "A Review on the Intelligence of Things" in International Journal of Pure and Applied Mathematics (Scopus indexed) Volume 120 No. 6 2018, PP:3349-3362,ISSN: 1314-3395.

24. Anees Fatime, Bhavaya,Dr. R Ravinder Reddy, "Land Classification using Convolutional Neural

Networks" International Journal of Recent Technology and Engineering (IJRTE)' publish at Volume-9 Issue-2, July 2020.

25. Dr.R Ravinder Reddy, Ch Mamatha "Security threats in IoT with special emphasis on Blockchain: A

Review" Journal of Critical Reviews, Scopus indexed, will available online from, August edition 2020.

26. Dr R. Ravinder Reddy, Ch Aparna Devi, Dr.Y Ramadevi, "A Review on the Evolution of resource Description Framework" in International Journal on Computer Science and Engineering, ISSN:0975-3397 Vol.9(9), UGC approved and Peer Reviewed journal, PP:565-572.

27. Dr.R Ravinder Reddy, "Network Intrusion Anomaly Detection Using Radial Basis Function Networks" in International Journal of Advanced Research in Computer Science, Vol: 8(2). ISSN 0976 − 5697.