

BIO-DATA



Dr. S. VASUNDRA

Professor of CSE Dept,

**JNTUA College of Engineering,
Ananthapuramu-515002, India.**

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Date of Birth: 30 /01/1976.

Academic Qualifications:

Course	Name of the Institution studied	Name of the University	Year of graduation	% of marks obtained
SSC	St.Philomena's high school, Bellary	Karnataka secondary education examination board	1992	79.16
Intermediate/Diploma	Wadlaw compu pre-university college, Bellary	Government of Karnataka education department	1994	70.83
B. Tech/B.E.	Vijayanagara Engineering college, Bellary	Gulbarga university	1998	76.2
M. Tech/M.E	JNTUACEA	JNTU, A.P	2004	80.5
Ph.D.	JNTUA	JNTUA	2013	----

Experience:

Name of the employer/ organization	Your designation	Duration of employment		Nature of duties
		From	To	
JNTUACEA	Professor	22.02.2013	Till date	Teaching, research work
JNTUACEA	Associate professor	07.11.2006	21.02.2013	Teaching, research work,
JNTUACEA	Assistant Professor	28.10.1999	06.11.2006	Teaching, research work.

Teaching Experience: More than 24 years of teaching experience.

Administrative Services:

- Presently serving as library incharge for central library jntuacea since 23/01/2024.
- Worked as Principal, JNTUA College of Engineering, Pulivendula, YSRKadapa, , 516390Andhra Pradesh, India. from 01-02-2023 - 02-11-2023.
- Worked as Director, Industrial Relations & Placements JNTUA UNIVERSITY Ananthapuramu.
- Served as NSS Coordinator JNTUA UNIVERSITY Ananthapuramufrom Jan 9th 2019 to May 2nd2021.
- Worked as Head of Computer Science & Engineering Department from2015-2019.
- Served as Additional Controller of Examination, JNTUA for two years2011-2013.
- Served as Library Coordinator, JNTUACEA for twoyears.
- Served as Placement Officer, JNTUACEA for oneyear.
- Served as Deputy Warden for Shilpa Hostel,JNTUACEA.

Professional Services:

- Serving as Member for Research Review Meetings and Pre-Submission (Ph.D) Open seminars.
- Served as UG Chairman, Board of Studies (CSE),JNTUACEA.
- Served as UG Chairman, Board of Studies (IT),JNTUA.

- Serving as UG Board of Studies (CS&T) Member, SKU, and Anantapuramu.
- Serving as UG Board of Studies (CSE) Member, SVEC (Karkambadi) Tirupathi.
- Serving as UG Board of Studies (CSSE, CSBC) Member, Sree Vidyanikethan Engineering College, Tirupati.
- Serving as Academic council member for KSRM Engineering College Kadapa.
- Serving as Academic council member for SVCET Chittoor.
- Invited as Keynote speaker for more than 10 events in various Engineering Colleges.
- served as governing body member for Siddhartha institute of science & technology Chittoor dist since 2017.
- Presently serving as governing body member for sree Venkateswara College of engineering, Nellore dist since 2017.
- Acted as Judge for more than 15 Technical Students Symposiums in various Engineering Colleges.
- Improved Infrastructure facilities like Campus Wide Network, Central Computer Centre and laboratories of CSE Department at JNTUA College of Engineering, Anantapuramu.
- Involved in framing the curriculum for UG (B.Tech(CSE)) and PG (M.Tech&M.C.A) of JNT University Anantapuramu as a member of Board of Studies.
- Acted as the chairman and convener for various national level student technical symposiums and workshops, being organized by the Department of Computer Science & Engineering of JNTUA College of Engineering, Anantapuramu.
- Acted as session chair for various national level student symposiums being organized by various Engineering Colleges

Research Interests:

Mobile Ad hoc Networks, Computer Networks, and Big Data, data warehousing and data mining, cloud computing, Security, Databases.

Research Guidance:

- Ph. D. – Currently guiding 08 scholars (part-time), and 01 full time (supernumerary), 01 part-time (industrial).
- Ph. D's. – Completed under my guidance 06 scholars. M. Tech – Guided more than 72 projects, currently guiding 04 scholars.
- MCA - Guided more than 67 projects, currently guiding 03 scholars.
- B.Tech - Guided more than 84 projects, currently 02 batches.

Books published:

1. Dr. S. Vasundra Professor, Department of CSE, JNTUACEA, Authored a book titled "Introduction to Internet & Web Technology" Year -2018. Publisher: book-rixs.
2. Dr. S. Vasundra Professor, Department of CSE, JNTUACEA, Authored a book titled "Problem Solving & Programming in 'C'" - JNTUA Dr. S. Vasundra, Dr. N. Sudhakar Reddy, Dr. V. Venkata Ramana [Jan 01, 2019]
3. Dr. S. Vasundra Professor, Department of CSE, JNTUACEA, Authored a book titled "Data Structures" (JNTUA) Dr. S. Vasundra, Dr. N. Sudhakar Reddy, Dr. D. Venkatesh, Dr. Y. Subba Reddy [Jan 01, 2020]
4. Dr. S. Vasundra Professor, Department of CSE, JNTUACEA, Authored a book titled "Big Data" (JNTUA) Dr. S. Vasundra, Mrs. Vasavi Ravuri, Mr. A. Balaram, Mr. G. Rajeswarappa. ISSN/ISBN: 978-93-92992-12-4 [16-11-2021]

Patents :

S.no	Department	patent registered (National/ International)	Patent Title	Field of Invention	Application Number	Patent Grant Year
1	CSE	National	A-Security: Advanced Security System Using Beagle Bone And Rfid Kit	Communication	201811034648	13/12/2019
2	CSE	National	Aws-Device: Advanced Woman Safety Device Using Microprocessor And Deep Learning Programming	ELECTRONICS	202041001470	13/01/2020

Visits to Foreign Countries:

- Paper presentation at Singapore –17th International Conference on Information and Computer Networks (ICICN 2015), “IACOP – Route Optimization in Wireless Networks using Improved Ant Colony Optimization Protocol” WASET, January 07-08,2016.

Professional Membership:

- 1) MISTE
- 2) MIE
- 3) MCSI
- 4) IAENG
- 5) LIFE MEMBER OF REDCROSS SOCIETY

Awards:

- Received **Appreciation Certificate** for Remarkable NSS Activities organized under JNTUA on the occasion of **Republic Day** from District Collector Shri.Gandham Chandrudu on 26/01/2021.

- Received **Participation certificate as MC Lead** from **WORLD BOOK OF RECORDS UNITED KINGDOM** for participating in Live Webinar for 24 Hours Organized by Lead India Foundation, USA 15/10/2020 – 16/10/2020.
- Received **DISTINGUISHED WOMEN ADMINISTRATOR** Award for outstanding Contributions, significant achievements and sustained excellence in the field of engineering on March 5th 2016. Given by **VENUS International Women Awards (VIWA-2016) Organization, Chennai.**
- Received **BHARAT JYOTHI AWARD** by International Friendship Society (IIFS), for whose stated aim is to strengthen the ties between India and its expatriate community in hopes of using the resources and potential of these expatriates to benefit India. New Delhi, India on 26th May 2017.
- On the Occasion of World Red Cross Day, NSS Coordinator JNTUA Prof. S. Vasundra Received **“Best Service Award”** from District Joint Collector Anantapur on 08/05/2019.
- As NSS Program Coordinator of JNTUA University (113 NSS units), under my coordinatorship, JNTUA University NSS CELL bagged **Three State Level NSS Awards** for the year 2019. (Two NSS Program Officers and One NSS Volunteer received the above award).
- As NSS Program Coordinator of JNTUA University (113 NSS units), under my coordinatorship JNTUA University NSS CELL bagged **Two National Level NSS Awards** for the year 2018-2019. (One NSS Program Officer and One NSS Volunteer received the above award from President of India).
- As NSS Program Coordinator of JNTUA University (113 NSS units), under my coordinatorship, JNTUA University NSS CELL bagged **Two State Level NSS Awards** for the year 2019-2020. (One NSS Program Officer and One NSS Volunteer received the above award).

Number of Research publications:

- International Journals: 92
- National Journals: 01
- International Conferences: 29
- National conferences: 03
- Workshops organized and attended: 31
- Fdp/ Training programme: 50

Professional Id's:

- Web of science is:HGU-2372-2022
- <https://vidwan.inflibnet.ac.in/profile/320580>
- Orc I'd:0000-0002-6880-0026
- <https://www.scopus.com/authid/detail.uri?authorId=57201352369>

Papers published:

International Journals:

2023

1. **Dr. Vasundra, S. Vinitha, M., (2023).** CSE,JNTUACEA, Published a paper “Review on Recent Advances in Text Summarization Techniques”. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_70
2. **Dr. S. Vasundra, Hymavathi Kanakadurga Bella,** CSE,JNTUACEA, Published a paper “Intrusion Detection Using Pareto Optimality Based Grasshopper Optimization Algorithm with Stacked Autoencoder in Cloud and IoT Networks, International journal of Intelligent Engineering & System, volume 16, Issue 3, Page 269-279, March 2023, (SCOPUS) DOI: 10.22266/ijies2023.0630.21
3. **Dr. S. Vasundra, Gajula Mounika,** CSE,JNTUACEA, Published a paper “Deep Learning Model for Vehicle Taillight Detection and Recognition in Autonomous Driving, An Interdisciplinary Journal of Neuroscience and Quantum Physics, volume 21, Issue 3, Page 179-184, Jan 2023.DOI: 10.48047/NQ.2023.21.3.NQ33020
<https://www.neuroquantology.com/archives?volume=Volume%2021&issue=No%203>
4. **Dr. S. Vasundra, D. Mobeen,** CSE,JNTUACEA,Published a paper, “Authority Access Control on Health Care Record Management System, An International Journal of North Eastern University, Volume 26, Issue 01,ISSN: 1005-3026, 2023.(Scopus) <https://dbdxxb.cn/2023-01-d-mobeen/>

2022

5. **Dr. S. Vasundra, S. Aarathi,** CSE, JNTUACEA, Published a paper “Fusion of Distribution Diversity Measures to Optimize Cross-media Features for Arrhythmia Prediction by Ensemble Classification”, Mathematical Statistician and Engineering Applications, VOL.71 No.4, August

- 2022, (SCOPUS) <https://doi.org/10.17762/msea.v7i1i4.1248>.
6. **Dr. S. Vasundra, A. Balaram**, CSE,JNTUACEA,Publishedapaper“A Hybrid Soft Computing Technique for Software Fault Prediction based on Optimal Feature Extraction and Classification”, IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.5, May 2022,(Web Of Science)<https://doi.org/10.22937/IJCSNS.2022.22.5.50>.
 7. **Dr. S. Vasundra, A. Balaram**, CSE,JNTUACEA,Publishedapaper“Software Fault Detection using Multi-Distinguished-Features Sampling with Ensemble Random Forest Classifier”, “International Journal of Intelligent Engineering & Systems”, Vol.15, No.5, 2022 ,July 13, 2022, DOI: <https://doi.org/10.22266/ijies2022.1031.43>.<https://inass.org/wp-content/uploads/2022/06/2022103143-2.pdf> (Scopus)
 8. **Dr. S. Vasundra et al**, CSE,JNTUACEA,Publishedapaper“Supervised Learning by Correlating Electrocardiogram and Polysomnogram Features for Arrhythmia Prediction”, ISSN1303-5150, August 2022, Page 8558- 8568, DOI Number:10.14704/nq.2022.20.10.NQ55839.
 9. **Dr. S. Vasundra, K. Arun Kumar**, CSE,JNTUACEA,Publishedapaper“A Deep Reinforcement Learning for Medical Trajectory Data Clustering Type 2 Diabetes, 2022-09-26, DOI: 10.5281/ZENODO.7112309, (Scopus), <https://doi.org/10.21203/rs.3.rs-888442/v1> , <https://zenodo.org/record/7112309>
 10. **Dr. S. Vasundra, G. Rajeswarappa**, CSE,JNTUACEA,Publishedapaper“Hybrid Grasshopper and Improved Bat Optimization Algorithms-based clustering scheme for maximizing lifetime of Wireless Sensor Networks (WSNs)”, *International journal of Intelligent Engineering & Systems*, Vol.15, No.3, April 4, 2022 DOI: 10.22266/ijies2022.0630.45.<https://inass.org/wp-content/uploads/2022/03/2022063045-1.pdf> (Scopus)
 11. **Dr. S. Vasundra, R. Vasavi**, CSE, JNTUACEA, Published a paper “An effective weather forecasting using Deep Long Short Term Memory network based on time-series data with Sparse FCM” Accepted in *Engineering Optimization*,(SCI) , ISBN 0305215X, 10290273, July 14, 2022, <https://doi.org/10.1080/0305215X.2022.2088741>,<https://www.tandfonline.com/doi/abs/10.1080/0305215X.2022.2088741>(Scopus)
 12. **Dr. S. Vasundra, R. Vasavi**, CSE,JNTUACEA,Publishedapaper“Deep Model based Classifier Working on TimeSeries Data to Provide Effective Weather Prediction”, *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 11, Issue 07, July-2022.<https://www.ijert.org/research/deep-model-based-classifier-working-on-time-series-data-to-provide-effective-weather-prediction-IJERTV11IS070055.pdf>(Scopus)

13. **Dr. S. Vasundra, K. Neelima**, CSE, JNTUACEA, Published a paper “Machine Learning-Based Business Rule Engine Data Transformation over High-Speed Networks”, Computer Assisted Methods in Engineering and Science, ISSN 2299-3649, Sep 12, 2022, <https://comes.ippt.pan.pl/index.php/comes/article/view/472>. (SCOPUS)
14. **Dr. S. Vasundra, K. Arun Kumar**, CSE, JNTUACEA, Published a paper “Novel Concept Specific Deep Learning for Disease Treatment Prediction on Patient Trajectory Data Model”, International journal of health sciences, Jan 06, 2022, DOI: 10.53730/ijhs.v6ns1.8290, E-ISSN: 2550-696X, ISSN: 2550-6978 (Scopus), <http://dx.doi.org/10.53730/ijhs.v6ns1.8290>, <https://sciencescholar.us/journal/index.php/ijhs/article/view/8290>
15. **Dr. S. Vasundra et al**, CSE, JNTUACEA, Published a paper “Differentiating and Shortlisting Unauthorized Extremist Reviews”, Design Engineering, ISSN: 0011-9342, 2022, Issue: 1, Pages: 3084 - 3095. (Scopus)
16. **Dr. S. Vasundra, K. Arun Kumar**, CSE, JNTUACEA, Published a paper “Robust multifocus deep neural network for progression prediction on patient trajectory data”, International Journal of Intelligent Computing and Cybernetics, Vol. 15 No. 4, Sep 22, 2022, pp. 589-598, ISSN: 1756- 378X, DOI [10.1108/IJICC-09-2021-0202](https://doi.org/10.1108/IJICC-09-2021-0202) (Scopus)

2021

17. **Dr. S. Vasundra, R. Vasavi**, CSE, JNTUACEA, Published a paper “Development Of Polback-Based Ensemble Classifier Based On Heterogeneous Clustering” in **Big Data (SCIE INDEXED)** Volume 18, Number 4, 2021, Webology <https://www.webology.org/abstract.php?id=1498>
18. **Dr. S. Vasundra, S. Aarathi**, CSE, JNTUACEA, Published a paper “Machine Learning based pervasive analytics for ECG Signal Analysis”, International Journal of Pervasive Computing and Communications, IJPCC-03-2021-0080.R2. <https://doi.org/10.1108/IJPCC-03-2021-0080> <https://www.emerald.com/insight/content/doi/10.1108/IJPCC-03-2021-0080/full/html>
19. **Dr. S. Vasundra, S. Shameeda**, CSE, JNTUACEA, Published a paper “Predictive Analysis of Heart Disease Based on Machine Learning Approaches” International Journal of Future Generation Communication and Networking, (IJFGCN). Vol. 14, No. 1, (Dt: 24/12/2021), ISSN: 2233-7857, pp. 50245043. (WebOfScience). <http://serisc.org/journals/index.php/IJFGCN/article/view/37674>

20. **Dr. S. Vasundra, A. Balaram**, CSE,JNTUACEA,Publishedapaper“Prediction of software fault- prone classes using ensemble random forest with adaptive synthetic sampling algorithm” in Automated Software Engineering, Dt: 29 November 2021, <https://link.springer.com/article/10.1007/s10515-021-00311-z>(Springer)
DOI:[10.1007/s10515- 021-00311-z](https://doi.org/10.1007/s10515-021-00311-z)
21. **Dr. S. Vasundra, G. Rajeswarappa**, CSE,JNTUACEA,Publishedapaper“IOR-WSN: Intelligent and Optimized routing protocol to enhance the network lifetime of wireless sensor networks” in Design Engineering, Vol 2021: Issue 03,ISSN: 0011-9342 , Pages: 865-886 Dt: (SCIE INDEXED).<http://thedesigengineering.com/index.php/DE/article/view/5670>
22. **Dr. S. Vasundra, G. Rajeswarappa**, CSE,JNTUACEA,Publishedapaper“Red Deer and Simulation Annealing Optimization Algorithm Based Energy Efficient Clustering Protocolfor Improved Lifetime Expectancy in Wireless Sensor Networks” in Wireless Personal Communications.Dt:Aug162021,**Springer**<https://doi.org/10.1007/s11277-021-08808-2>. <https://link.springer.com/article/10.1007/s11277-021-08808-2>

2020

23. **Dr. S. Vasundra et al**, CSE,JNTUACEA,Publishedapaper“Vector-Based Classification Prediction to Geographical Location” in International Journal of Future Generation Communication and Networking” (**WEB OF SCIENCE**) **Scopus** Volume 13, Number 4,1 jan 2021 ,pp,4174-4179.<http://www.sersc.org/journals/index.php/IJFGCN/article/view/34863>
24. **Dr. S. Vasundra et al**, CSE,JNTUACEA,Publishedapaper“ A Unified And Innovative Route Prediction Using Big data Trajectory Clustering” in International Journal of Future Generation Communication and Networking” (**WEB OF SCIENCE**) **Scopus** Volume13, Number 4, 1 jan 2021, pp: 4210-4215.
<http://www.sersc.org/journals/index.php/IJFGCN/article/download/34868/19315/>
25. **Dr. S. Vasundra, R. Vasavi**, CSE,JNTUACEA,Publishedapaper“Moth-Flame Optimization-Bat Optimization: Map-Reduce Framework for Big Data Clustering Using the Moth-Flame Bat Optimization and Sparse Fuzzy C-Means” in **Big Data (SCIE INDEXED)** Volume 8, Number 3, Dt: 20-05-2020, ISSN: 2167-6461, a Mary Ann Liebert, Inc. DOI: 10.1089/big.2019.0125.<http://www.jcreview.com/fulltext/197-1594075935.pdf?1609917631>
26. **Dr.S.Vasundra, S. Aarathi**, CSE,JNTUACEA, Published a paper “Review of Contemporary Literature on Predictive Analysis for Arrhythmia Disease Detection” in Journal of Critical Reviews. ISSN- 23945125,VOL7,ISSUE18,16thJune2020.(Scopus indexed).<http://www.jcreview.com/fulltext/197-1594075935.pdf>

27. **Dr. S. Vasundra, Shaik Shaheen Zahaba**, CSE,JNTUACEA,Publishedpaper“Security Enforcement Framework for Collaborative Cloud Services” in GIS SCIENCE JOURNAL, ISSN NO: 1869-9391, VOLUME 7, ISSUE 10, October 2020, (Scopus indexed).<http://gisscience.net/VOLUME-7- ISSUE-10-2020/>

2019

28. **Dr. S. Vasundra, S. Aarathi**, CSE,JNTUACEA,Publishedpaper“Regression Heuristics by Optimal Tridimensional Features of Electrocardiogram for Arrhythmia Detection” in International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-1S5, December, 2019. (Scopus indexed).<https://www.ijeat.org/wp-content/uploads/papers/v9i1s5/A10361291S52019.pdf>

29. **Dr. S. Vasundra, K. Padma Sree**, CSE,JNTUACEA,Publishedpaper“An Adaptive Dynamic Mechanism forServiceIntegrationinCoT”IJAEMA-internationaljournalofanalyticalandexperimental modal analysis, ISSN NO: 0886-9367, Vol XI, Issue VIII, Aug-2019, (An UGC-CARE Approved Group-A journal) (Scopus indexed).<https://www.ijeat.org/wp-content/uploads/papers/v9i1s5/A10361291S52019.pdf>

30. **Dr. S. Vasundra et al**, CSE,JNTUACEA,Publishedpaper“A Secure Multi-KeywordSearch Over Encrypted data in Mobile Cloud Computing" IJAEMA- international journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Vol XI, Issue VIII,Aug-2019, (An UGC-CARE Approved Group-A journal) (Scopus indexed).<http://www.ijaema.com/gallery/81-august-2260.pdf>

31. **Dr. S. Vasundra, M. Sowmya Lakshmi**, CSE,JNTUACEA,Publishedpaper“Enhanced Public Key Encryption with Keyword Search in Cloud" IJERT-International journal of Engineering Research & Technology, ISSN NO:2278-0181, Volume.8 Issues.8,Aug- 2019
<https://www.ijert.org/research/enhanced-public-key-encryption-with-keyword-search-in-cloud-IJERTV8IS080122.pdf>

32. **Dr. S. Vasundra, C. Soundarya**, CSE,JNTUACEA,Publishedpaper“Integrity Checking forStoredData in Mobile Cloud Computing " IJERT-International journal of Engineering Research&Technology,ISSN NO:2278-0181, Volume.8,Issues.8,Aug-2019.
<https://www.ijert.org/research/integrity-checking-for-stored-data-in-mobile-cloud-computing-IJERTV8IS080121.pdf>

33. **Dr. S. Vasundra** et al, CSE,JNTUACEA,Publishedapaper“Detecting Objects andRegionsfor Underwater Images" JAC: AJOURNAL OF COMPOSTION THEROY, ISSN NO: 0731-6755,Vol XII, Issue VIII, Aug-2019, <http://jctjournal.com/Vol-12-Issue-8-2019/>
34. **Dr. S. Vasundra** et al, CSE,JNTUACEA,Publishedapaper"Enhancing the HistogramBased Background subtraction for detecting & tracking the moving objects" JAC: A JOURNAL OF COMPOSTION THEROY, ISSN NO: 0731-6755,Vol XII, Issue VIII,Aug-2019.<http://jctjournal.com/gallery/49.%20jct%20-%20aug%202019.pdf>
35. **Dr. S. Vasundra, S. Aarathi**, CSE,JNTUACEA,Publishedapaper"Impact of Healthcare Predictions with Big Data Analytics and Cognitive Computing Techniques” IJRTE-Internationaljournal of Recent Technology and Engineering. ISSN NO:2277-3878,Volume-8 Issue-2. July 2019.DOI: 10.35940/ijrte.B1804.078219 <https://www.ijrte.org/wp-content/uploads/papers/v8i2/B1804078219.pdf>
36. **Dr. S. Vasundra, Ravuri V, Ramasubbareddy S, Govinda K**, CSE, JNTUACEA, Published a paper “FACE RECOGNITION USING CASCADE ALGORITHM” in **International Journal of Recent Technology and Engineering (IJRTE), (Scopus)**. Volume-8 Issue-2S4, Dt: 01-07-2019, ISSN: ISSN:2277-3878.<https://www.ijrte.org/wpcontent/uploads/papers/v8i2S4/B11180782S419.pdf>
37. **Dr. S. Vasundra, A. Kousar Nikhath, S. Nagini, R. Vasavi**, CSE,JNTUACEA,Publishedapaper“SCP-Design of SituatedCognitive Processing Model to Assist Learning Centric Approach for Higher Education in Smart Classrooms” in Advances in Intelligent Systems and Computing, (Scopus).Volume- 1171, Dt: 02-11-2019, ISSN:978-981-15-5399-8. DOI:[10.1007/978-981-15-5400-1_63](https://doi.org/10.1007/978-981-15-5400-1_63) https://www.researchgate.net/publication/343585260_SCP_Design_of_Situated_Cognitive_Processing_Model_to_Assist_Learning-Centric_Approach_for_Higher_Education_in_Smart_Classrooms
38. **Dr. S. Vasundra, G. Rajeswarappa**, CSE,JNTUACEA,Publishedapaper" Energy Aware Routing Protocols forWirelessMobileAdhocNetworks:AReview" IJCSE-InternationalJournalof Computer SciencesandEngineering, E-ISSN: 2347-2693,Vol.-7,Issue-6,June2019. DOI:[10.26438/ijcse/v7i6.866872](https://doi.org/10.26438/ijcse/v7i6.866872) https://www.researchgate.net/publication/335799245_Energy_Aware_Routing_Protocols_for_Wireless_Mobile_Ad_hoc_Networks_A_Review.

39. **Dr. S. Vasundra, D. Venkatesh**, CSE, JNTUACEA, Published a paper "Performance Evaluation of Routing Protocols For Voice and Video Traffics" AJCST- Asian Journal of Computer Science & Technology, ISSN: 2249-0701, Vol-7, N0-3, Dec-2018, .(UGC approved). <https://www.trp.org.in/issues/performance-evaluation-of-routing-protocols-for-voice-and-video-traffics>
40. **Dr. S. Vasundra, T. Gowri**, CSE, JNTUACEA, Published a paper " Sentiment analysis on Amazon Reviews Data", IJCSE, ISSN: 2347-2693, Vol.-6, Issue-5, May 2018. (UGC approved). https://www.ijcseonline.org/pdf_paper_view.php?paper_id=2099&167-IJCSE-03494-28.pdf
41. **Dr. S. Vasundra, D. Venkatesh**, CSE, JNTUACEA, Published a paper "CLASDN- An Extension in Networking for Efficient Multimedia Data Transmission", IJCSE, ISSN: 2347-2693, Vol- 6, ISSUE-11, Nov-2018. (UGC approved). DOI: [10.26438/ijcse/v6i11.8388](https://doi.org/10.26438/ijcse/v6i11.8388)
https://www.researchgate.net/publication/330140480_CLASDN_An_Extension_in_Networking_for_Efficient_Multimedia_Data_Transmission
42. **Dr. S. Vasundra, D. Raghava Raju, D. Venkatesh**, CSE, JNTUACEA Published a paper "Product Recommendation System Using Priority Ranking". Artificial Intelligence and Evolutionary Computations in Engineering Systems. Advances in Intelligent Systems and Computing, vol 668. [Springer, Scopus indexed]. Online ISBN 978-981-10-7868-2. (2018). .(UGC approved). DOI: [10.1007/978-981-10-7868-2_16](https://doi.org/10.1007/978-981-10-7868-2_16), https://www.researchgate.net/publication/323865725_Product_Recommendation_System_Using_Priority_Ranking.
43. **Dr. S. Vasundra, et.al.,** CSE, JNTUACEA, Published a paper "Extraction of Interesting Variables from Disparate Data in Big Data Analytics", Journal of Theoretical and Applied Information Technology, (JATIT) (Scopus indexed, .(UGC approved).
44. **Dr. S. Vasundra, G. Krishna Kalyani**, CSE, JNTUACEA, Published a paper "Search based web service and business process anti pattern detection", IJREAM, pp: 558-561, Vol-04, issues-03, ISSN: 2454-9150, DOI:10.18231/2454-9150.2018.0380, june 2018. (UGC approved). <http://ijream.org/papers/IJREAMV04I0339112.pdf>
45. **Dr. S. Vasundra, M. Dhana Lakshmi**, CSE, JNTUACEA, Published a paper "Predicting the treatment time in hospitals using SVM algorithm", JETIR, vol-5, issue-6, ISSN: 2349-5162. (UGC approved). 2018. <https://doi.org/10.1729/IJCRT.17948> <https://www.jetir.org/papers/JETIR1806338>

46. **Dr. S. Vasundra, N. Pavan Venkata Ramana**, CSE, JNTUACEA, Published a paper
Enhancing Data Security with De-Duplication Using Key Exchange
Protocol, IJREAM, pp:533-537, Volo4, issue2, ISSN:2454-9150, DOI:10.18231/2454-
9150.2018.0380, Dt:june2018, may2018.(UGC approved).
<https://www.ijream.org/papers/IJREAMV04I0238175.pdf>

2017

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50. **Dr. S. Vasundra, Y. Samreen Begum**, CSE, JNTUACEA, Published a paper "A Secure Scalable and Efficient Access Control Using Public Verifiable Scheme in Cloud Computing" International Journal of Innovative Research in Science, Engineering and Technology and ISSN: 2319-8753, July-2017, DOI:10.15680/IJRSET.2017.0607227
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51. **Dr. S. Vasundra, A. Vijay Kumar**, CSE, JNTUACEA, Published a paper "Load Balancing Through Multipath Selection Mechanism for Big Data Centers in Clouds" International Journal Of Innovative Research In Science, Engineering And Technology, ISSN:2347-6710, July 2017. DOI:10.15680/IJRSET.2017.0607272
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54. **Dr.S.Vasundra, D. Raghava Raju, D. Venkatesh,**CSE,JNTUACEA, Blind Spectrum Sensing Techniques in Cognitive Radio-Survey. Emerging Trends in Electrical, Communications and Information Technologies. Lecture Notes in Electrical Engineering, vol 394. Springer,Singapore. DoI: 10.1007/978-981-10-1540-3_5.(Scopus indexed, ugc approved). Online ISBN 978-981-10- 1540-3.(2017).
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Ultrasonic Technique” International Journal of Engineering Research in Computer Science and Engineering, ISSN 2394-2320, December 2016. IJERCSE.<https://www.ijercse.com/viewabstract.php?id=6446&volume=Volume3&issue=Issue12>

60. **Dr. S. Vasundra, M. Hima Bindu**, CSE, JNTUACEA, Published a paper “SECURE PROACTIVE SOURCE ROUTING FOR WIRELESS NETWORKS” North Asian International Research Journal Consortium (IRJIF). Vol.2, issue11, nov.2016 ISSN:2454-7514.https://www.nairjc.com/assets/img/issue/1MsBAg_29hA1Z_Uw4W39_Iy5A6D_110693.pdf

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61. **Dr. S. Vasundra et.al**, CSE, JNTUACEA, Published a paper “Throughput Maximization using Novel Network Coding”, International Journal of Electronics and Computer Science Engineering ISSN- 2277-1956, Feb-2015. IJECSE.
62. **Dr. S. Vasundra, P. Jyothi, D. Raghavaraju**, CSE, JNTUACEA, Published a paper “Attribute Based Encryption and Decryption Technique”, International Journal of Computer Applications ISSN: 0975- 8887, volume132, No.5, December 2015, IJCA. DOI: 10.5120/ijca2015907369, <https://www.ijcaonline.org/archives/volume132/number5/23594-2015907369>
63. **Dr. S. Vasundra et.al**, CSE, JNTUACEA, Published a paper “Optimizing technique to reduce traffic load in peer-to-peer systems”, International journal of advanced research in computer engineering and technology, Vol-4, issue-6, pp ISSN: 2278-1323, July 2015. IJAR CET. <http://ijarcet.org/wp-content/uploads/IJAR CET-VOL-4-ISSUE-6-2848-2853.pdf>
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65. **Dr. S. Vasundra, Shaik Rizwana Begum**, CSE, JNTUACEA, Published a paper “Distributed algorithm to load balanced data aggregation tree problem under deterministic network model”, Journal of network communications and emerging technologies, volume3, issue1, July 2015. ISSN:2395-5317. JNCET. <https://www.jncet.org/Manuscripts/Volume-3/Issue-1/Vol-3-issue-1-M-09.pdf>
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DEC 2010.I-MANAGER.

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95. **Dr. S.Vasundra et.al**, CSE, JNTUACEA, Published a paper “Performance enhancement to WCMDA Multimedia Network using MAC Protocol”, pp:71- 78, Oct – dec 2006, vol.1 no.2. DOI:<https://doi.org/10.26634/jse.1.2.830>. I-MANAGER.

National Journals:

2022

1. **Dr. S.Vasundra et.al**, CSE, JNTUACEA, Published a paper “Sampling-Based Software Prone Technique for an Optimal Prediction of Software Faults”, Indian Journal of Computer Science and Engineering (IJCSE), ISSN : 0976-5166, Vol. 13 No. 4 Jul-Aug 2022, pp:981-991.

International Conferences:

2022

1. **Dr. S. Vasundra, A. Balaram**, “A Review on Machine Learning Techniques to Predict the Reliability in Software Products”. At International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications.(Springer). ISBN: 978-981-16-6407-6, 01 January 2022. DOI : https://doi.org/10.1007/978-981-16-6407-6_28
https://link.springer.com/chapter/10.1007/978-981-16-6407-6_28
2. **Dr. S. Vasundra, H. Kanakadurga Bella**, “A study of Security Threats and Attacks in Cloud Computing, 4th International Conference on Smart systems and Inventive Technology, Feb 2022, ISBN:978-1-6654-0118-0 DOI: [10.1109/ICSSIT53264.2022.9716317](https://doi.org/10.1109/ICSSIT53264.2022.9716317).”

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5. **Dr. S. Vasundra, G. Rajeswarappa**, “Self-Adaptive Cuckoo Search-Based Cluster Head Selection for Maximizing Network Lifetime in Wireless Sensor Networks”. At International Conference on Recent Trends in Computing. 2021 (Springer). DOI : https://doi.org/10.1007/978-981-16-7118-0_52, https://link.springer.com/chapter/10.1007/978-981-16-7118-0_52
6. **Dr. S. Vasundra, K. Arun Kumar**, “Prognostic Outcome Prediction on Patient Treatment Trajectory Data Using PSO Optimization on LTSM-RNN Model”. At International Conference on Intelligent Computing, Information and Control Systems.

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8. **Dr. S. Vasundra, D. Raghavaraju, D. Venkatesh**, “Product Recommendation System Using Priority Ranking” , Artificial Intelligence and Evolutionary Computations in Engineering Systems,AISC

20 March 2018. (Springer). DOI : http://dx.doi.org/10.1007/978-981-10-7868-2_16

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9. **Dr. S. Vasundra, D. Venkatesh**, “Multipath Optimized Link State Routing Protocol with Multi- Variant Deficit Round Robin”, International Conference on Computing, Communications & Data Engineering (CCODE), IADS,2018. (Springer). February 7, 2018, DOI : <http://dx.doi.org/10.2139/ssrn.3167228>,https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3167228

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10. **Dr. S. Vasundra, D. Raghavaraju, D. Venkatesh**, “Product Recommendation system using priority ranking” international conference on Artificial intelligence and evolutionary computations in engineering systems(ICAIECES-2017) & Power , Circuit And Information Technologies (ICPCIT-2017). DOI: [10.1007/978-981-10-7868-2_16](https://doi.org/10.1007/978-981-10-7868-2_16)
https://www.researchgate.net/publication/323865725_Product_Recommendation_System_Using_Priority_Ranking

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11. **Dr. S. Vasundra et al**, “IACOP – Route Optimization in Wireless Networks using Improved Ant Colony Optimization Protocol”, 17th International Conference on Information and Computer Networks (ICICN 2015), WASET, Singapore SG January 07-

08, 2016.

12. **Dr. S. Vasundra et al**, “Detection of malicious packet dropping attacks in wireless Adhoc networks using enhanced HLA scheme” , 2nd international conference on applied science engineering and technology.2016.

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13. **Dr.S.Vasundra, D. Raghavaraju, D. Venkatesh**, BlindSpectrumSensingTechniques inCognitiveRadio-Survey”, 2nd International Conference on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT-2015), 19-21 December 2015, SRIT, Anantapuramu. (Springer), 2013.https://www.researchgate.net/publication/310539855_Blind_Spectrum_Sensing_Techniques_in_Cognitive_Radio-Survey
14. **Dr. S. Vasundra et al**, “Exploring the Impact of Test Sequence Length for Structural Coverage in Software Testing Using Multiple Techniques”, International Conference on Advanced Computing Methodologies (ICACM-2013), August 02-03, 2013, held at GRIET,Hyderabad.
15. **Dr. S. Vasundra et al**, “A Clustered Hybrid Authentication Protocol for MulticastAdhoc Networks”, IEEE International Conference on Human-Computer Interactions (*ICHCI*13), August 23-24, 2013, held at Saveetha University,Chennai.
16. **Dr. S. Vasundra et al**, Time Series Forecasting Using Artificial Neural Networks under Dempster-Shafer Evidence Theory and Trimmed-Winsorized Mean Volume 3, Number 5(2013), pp. 383-390 5th& 6th October 2013. International Conference on Advancements in Computing Sciences, Informatics Techniques & Emerging E-Learning Technologies (ACSITEET-2013).

2011

17. **Dr. S. Vasundra et al**, ERAM: An Efficient and Adaptive File Replication with Consistency Maintenance in P2P Systems, pp: 173 – 176 International Conference on Computer Science & Information Technology, CSIT –2011.
18. **Dr. S. Vasundra et al**, “Probabilistic program Dependence Graph for Optimizing the Program Utility”, pp: 43 – 46 International Conference on Computer Science & Information Technology, CSIT –2011.
19. **Dr.S.Vasundraetal**, ”TwophasesOptimizationApproachforSoftwareReleasePlanning”, pp: 224 – 227 International Conference on Computer Science & Information Technology,

CSIT –2011.

20. **Dr. S. Vasundra et al**, Quality of Service for Event Delivery in Steam, pp:199 – 203 International Conference on Computer Science & Information Technology, CSIT –2011.
21. **Dr. S. Vasundra et al**, Automatic Detection and Correction of High-Level Defects in Object-Oriented Designs, pp: 182 – 186 International Conference on Computer Science & Information Technology, CSIT –2011.
22. **Dr. S. Vasundra et al**, Design of an Efficient Distributed Overlay Network with Scalability,pp:1–4InternationalConferenceonInnovativeResearchinEngineeringand Technology.
23. **Dr. S. Vasundra et al**, Distributed Data Mining in Credit Card Fraud Detection, pp:1 – 4 International Conference on Innovative Research in Engineering andTechnology.
24. **Dr.S.Vasundraetal**,PredictingcongestionusingA.I.Technique,pp:290–294EPPCSIT– 06.
25. **Dr. S. Vasundra et al**, Active Queue management techniques for congestion control in IP based CDMA RAN 12th – 13th July 2006. NCCC –06.
26. **Dr. S. Vasundra et al**, Minimax filtering in wireless sensor and actor networks, pp:102-106, ICICT – 2011, IRNet,Bangalore.
27. **Dr.S.Vasundraetal**,OptimalroutinginmultihopwirelessnetworksusingFloydwarshal algorithm, advanced computing methodologies – 2011, GRIET,Hyderabad.
28. **Dr. S. Vasundra et al**, Self stabilizing clustering of ACK tree networks generation algorithms, emerging technologies in computer science and engineering – 2010, Velagapudi Ramakrishna Siddhartha engineering ollege.
29. **Dr. S. Vasundra et al**, Detection of fraudulent usage in cellular mobile networks, International trade & commerce – 2010, Osmania University,Hyderabad.

National conferences:

1. **Dr.S.Vasundraetal**, "Optimizingtheperformanceofzoneroutingprotocol",NITC2009, S.V. University, Tirupathi, "National conference on data mining & network security".
2. **Dr. S. Vasundra et al**, "Emerging principles and practices of computer science & information technology" (EPPCSIT 06) held on August 18-19, 2006. Organized by Department of computer science & information technology, Guru nanak dev engineering college, Ludhiana. " preceding congestion using AItechnique"

3. **Dr. S. Vasundra** *et al*, has participated second national conference on “Database management systems & networks” on 8th and 9th September 2005.”A combined algorithm of cryptography and stenography to enhance networksecurity”.

Workshops Organized:

2020

1. Organized one day “Swachta Action Plan” Online workshop for family members of Higher Education Institution in Ananthapur, ATP (Online) on 7/6/2020 in association with MGNCRE A.P.
2. Organized online workshop “MEDITATION AND YOGA RETREATS” in collaboration with Artof Living Foundation Anantapur under Fit India Movement activity on 5th September 2020.

Workshops attended:

2015

1. Attended one day workshop on “Startup boot-camp pre-launch meeting” in collaboration with Andhra Pradesh state council of higher education, Kochi Kerala on 23rd January, 2015.
2. Attended workshop on “innovations in technology”, on conducted ITE & C dept., Govt of AP and JNTU University JNTUACEA, ANANTAPUR 9th December 2015.
3. Attended workshop on “Awareness on Washington Accord for Outcome Based Education” JNTUACEA, ANANTAPUR, 4th August 2015.
4. Attended workshop on Programming in c & data structures” conducted by JNTUCEA, ANANTAPUR 25th & 26th march 2015.
5. Attended one day workshop on “Role of women in engineering (WIE) education through IEEE, on 19th September, 2015.
6. Attended National level workshop on training program for NBAC Criteria and Accreditation Process” Sponsored by UGC & JNTUA, JNTUACEA, ANANTAPUR, 3rd March 2015.
7. Attended the “University Level NSS Youth Festival” at JNTU University Anantapur and acted as Judge of the event. JNTUACEA, ANANTAPUR 29th January 2016.
8. Attended national level workshop on “Campus Networking” held on November 5th and 6th 2015. in JNTUACEA Anantapuramu.

9. Attended workshop on “Awareness on creating center of excellence” Conducted by JNTUACEA & JNTUA. JNTUACEA, ANANTAPUR, 26th JUNE2015.

2014

10. Attended workshop on “IBM DB2 ACADEMIC ASSOCIATE” JNTUACEA, ANANTAPUR, 19th and 20th December2014.
11. Attended workshop on “Big Data & Analytics”. JNTUACEA, ANANTAPUR, 27-30 November,2014.
12. Attendedworksho on“BharathOperatingSystemSolutions(BOSS)-MinimalisticObject Oriented Linux(MOOL)”, JNTUACEA, ANANTAPUR, 16th and 17th October2014.
13. Attended one day workshop on “Technology enhanced learning through NMEICT-implementation of spoken tutorial project “in collaboration with IIT Bombay, on 10th July 2014.
14. Attended two day workshop , sponsored by university grants commission, new Delhi on “outcome based education approach in engineering curriculum” organized by JNTUA college of engineering Anantapuramu. 26th and 27th august2014.
15. Attended a National level Technical Symposium of “PIXEL” and acted as a coordinator, JNTUACEA, ANANTAPUR 29th March2014.
16. Attendedonedayworkshop“engineeringinnerexcellence”humanvaluesandprofessional ethics on 5th July 2014. JNTUAAnantapuramu.

2013

17. Attended workshop on “ESPRIT”, acted as Judge and conducted by SRIT. ATP, 03rd February2013.
18. Attended workshop on new concepts in energy utilization. Conducted by JNTUACEA. JNTUACEA, ANANTAPUR, 30th September2013.

2012

19. Attended workshop on “C & DATA STRUCTURES” acted as Judge and conducted byAPSCH & JNTUACEA. JNTUACEA, ANANTAPUR, 03-08 September2012.
20. Attended one day workshop on “Robot dynamics & control” UGC Sponsored on

04/02/2012.

21. Attended workshop on “Embedded systems” organized by Pearson education and ECE JNTUACEA Anantapuramu. 5th October2012.
22. Attended workshop on Wireless networking& communications, WN&C’12 Sponsoredby APSCHE &UGC. And JNTUACEA Anantapuramu. 27th&28th January2012.
23. Attended national level workshop on “Awareness Campaign on Ethical Hacking” organized by JNTUA college of Engineering, ananthapur-515002.
24. Attended national level workshop on “Research Methodology” organized by Dept of CSE S.V. University College of engineering, Tirupathi. On 29th&30th September2012.

2011

25. Attended national level workshop on “ Market-Oriented Cloud Computing and the Aneka Platform” organized by Department of CSE JNTUA college of engineering, anantapur on December 27th2011.
26. Attended workshop on “Science and Technology Exhibition”, acted as Judge and conducted by JNTUACEA, JNTUACEA, ANANTAPUR, 25th February2011.
27. Attended One day workshop on “Advances in computing science” JNTUACEA, ANANTAPUR. 24thFeb2011.

2010

28. Attended workshop at “COMBATING CLIMATE CHANGE” JNTUACEA, ANANTAPUR.18th -19th march2010.
29. Attended workshop at “SSITS - 2KX”, and acted as Judge and conducted by SSIETS, JNTUACEA, ANANTAPUR, 13 October2010.
30. Attended national level workshop on “Emerging Trends in Image Processing” heldat S.K.U college of Engineering & Technology, anantapur 31st march 2010.
31. Attended national level workshop on “New concepts in energy utilization” organized by dept of mechanical engineering JNTUACEA Anantapuramu, on September 30th2003.

Training Programs short term/FDPs/Webinars/ seminars attended/

organized:

2021

1. Attended Orientation/Refresher Programme on “Business Intelligence & Big Data Analytics” organized by SV college of Engineering (Autonomous), Tirupathi, Andhra Pradesh in association with AICTE-ISTE, from 09/12/2021 to 15/12/2021.

2020

2. Attended WEBINAR on "Mentoring Innovation Challenge for the Youth" organized by Lead India Foundation (USA) in collaboration with INDUCT and iB HUBS on December 18, 2020
3. Attended TEQIP-III Sponsored Webinar online “ARE WE EDUCATED” organized by the Department of Computer Science and Engineering, JNTUACEA on 12/12/2020.
4. Attended TEQIP-III Sponsored “Big image data processing using deep learning techniques” organized by the Department of Computer Science and Engineering, JNTUACEA on 0th December, 2020.
5. Attended WEBINAR on “Boosting Immunity through Holistic Healthcare ” organized by Lead India Foundation (USA) on NOV 11, 2020.
6. Organized a webinar “Food – Planet – Health” to mark 150th Birth anniversary celebration of Mahatma Gandhi in collaboration with Vegan Outreach International Nonprofit Organization (NGO) Mumbai on 21/09/2020.
7. Attended “Webinar on online teaching Methods” – 13/05/2020 ID : AQHT10-CE000141
8. Attended National level FDP on “Artificial Intelligence” from 22/05/2020 to 26/05/2020 Organized by Universal college of Engineering, Mumbai University.
9. Attended Three day online FDP on “Internet of Things (IOT)” from 5/5/2020 to 7/5/2020 Organized by St. Martin Engineering College in association with Computer Society of India.
10. Attended One week FDP on “Exploring the Dimensions of Innovation Incubation and Engineering Technologies to Embrace post covid changes” from 8/6/2020 to 12/6/2020 organized by Hope foundation Finolex Academy of Management and Technology, Ratnagiri.
11. Attended FDP on “NAAC Awareness program for faculty” Organized by Marathwada Mitra Mandal Institute Of Technology (MMIT), La Lgaon Pune-47 from 8/5/2020 to 14/5/2020.
12. Attended Three days free Webinar FDP on “Digital Era of Teaching” Conducted by Diksoochi, Mysore from 11/5/2020 to 13/5/2020.
13. Attended FDP on “Introduction of Accreditation Mechanism & NBA Approach” organized by Dr. V. B. Kolte college of Engineering, Malkapur (M.S) India in association with ISTE, New Delhi and Institution of Engineers (India) from 11/5/2020 to 15/5/2020.
14. Participated in FDP on “Machine Learning” held from 10th to 14th August 2020 organized by Department of Information Science and Engineering, VVCE, Mysuru.

15. Participated in FDP on “Faculty Program on NBA” on 12/5/2020 organized by Bharathi Vidyapeeth college of Engineering, NaviMumbai.
16. Participated in online Webinar on “OBE Initiation process Sponsored by Kala Salinger Academy of Research and Education on 12/5/2020”
17. Participated in Short Stream Training Program me through I.CT mode on “Artificial Intelligence” organized by NIT Teacher Training and Research, Kolkata from 15/6/2020 to 19/6/2020 (Oneweek).
18. Attended “Webinar on “Future Block chain technology” organized by Department of ComputerScienceandEngineering, VIKASGroupofInstitutions, Nunna, Vijayawadaon 18thJuly,2020.
19. Participated in FDP on “Data Science and Cloud Computing” organized by Department of Computer Science and Engineering Chebrom Engineering college , JNTUK Guntur (Dist) A.P from 18/5/2020 to22/5/2020.
20. ParticipatedinoneweekFDPon“RProgramming”organizedbyDepartmentoff.TatFr. C. Rorignes Institute of Technology, Vashi in association with spoken Tutorial IITB Mumbai during 18/5/2020 to 23/5/2020.
21. Participated in one week FDP on Cyber Security organized by Department of Computer ScienceandEngineering,SreyasInstituteofEngineeringandTechnologyHyderabadfrom June19th to 24th 2020. (19/6/2020 to24/6/2020)
22. Participated in webinar on “Climate change imports & instigation on water and Environment” on 20/5/2020 organized by RVS college of Engineering and Technology Suhre,Coimbatore.
23. Attended webinar on “Effective Research Writing Skills & Protections” on 22/5/2020 organized by Shri Chatrapati Shivajiraje collage of engineeringpune.
24. Attended One day FDP on “Cyber Forensics” on 21/5/2020 by SVIT,secunderabad.
25. Attended one week FDP on “Advanced Data Science and its Applications” organized byBVRIT Hyderabad from 22/6/2020 to26/6/2020.
26. Attended FDP (6 Days) on “Object Oriented Programming” organized by Parnimalar Institute of Technology in association with CSI & IEE from 22/6/2020 to27/6/2020.
27. Attended FDP (5 Days) on “Mentoring and facilitation Skills for Institutional mentors”from 27/5/2020 to 31/5/2020 organized by MGNCREHyderabad.
28. Attended One week short term teaching Program on “Data Science and Learning Systems for Engineering Research and Design” from 24/6/2020 to 30/6/2020 Sponsored byTEQIP- 3 Organized by NIT Kurukshetra and Engineering college of Bikaner,Bikaner.
29. Participated in Two day webinar on “Feature Generation Computing and Applications”

on 8th and 9th of August 2020.

30. Participated and has successfully completed a Quiz on AICTE's E-learning Initiative during COVID-19.
31. Participated in Five Day National level Faculty Development Programme on "Artificial Intelligence" held from 22.05.2020 to 26.05.2020 organised by the Department of Information Technology, CMR Engineering College, Hyderabad, in collaboration with NYCI & Brainovision Solutions India Pvt.Ltd setting a proud world record with 13000 diligent learners across the Nation.
32. Participated in One -Week Faculty Development Program on Mentoring and Facilitation Skills for Institutional Mentors' May 27 - 31, 2020. Mahatma Gandhi National Council of Rural Education.
33. Participated and completed TEQIP-III Sponsored Webinar on "***Big image data processing using deep learning techniques***" organized by the Department of Computer Science and Engineering, JNTUACEA on 04th December, 2020.
34. Organized online workshop on "International Day of Yoga" on 21/6/2020 for all NSS volunteers and faculty of JNTUA in Association with Art of living Ananthapur.

2019

35. Participated in One -Week Faculty Development Program on "Research Methodologies and Data Analysis" from 23rd to 28th September 2019 Conducted at JNTUA College of Engineering Ananthapuramu, Sponsored by TEQIP-III.
36. Participated in One -Week Faculty Development Program on "Leadership Skills" during 19th to 24th August 2019 Conducted at JNTUA College of Engineering Ananthapuramu, Sponsored by TEQIP-III.

2018

37. Participated in Five days FDP on "soft skills and personality development" sponsored by TEQIP-III, JNTUACEA, ANANTAPUR, Dec 10th to Dec 14th 2018.
38. Acted as coordinator & Convener for the Faculty Development Programme on "Data Science", jointly organized by TCS Hyderabad & JNTUA CEA, JNTUACEA,

ANANTAPUR, April 3rd and 4th2018.

2017

39. Acted as coordinator & Convener for the Faculty Development Programme on “Big Data Analytics”, jointly organized by organized by TCS Hyderabad & JNTUA CEA, JNTUACEA, ANANTAPUR, 20th to 22 February2017.

2016

40. Participated in Five days Course on “Hands on Web Application & Web Penetration Security Course”, Tie Hyderabad & E2labs Hyderabad, 30th MAY – 3rd JUNE2016.

2015

41. Organized Training programme on Agile methodologies” conducted by JNTUACEA in collaboration with TCS company, JNTUACEA, ANANTAPUR, on 25th February2015.
42. Attended the complimentary Training/ Orientation on “MATLAB, Simulink & Related Tool Boxes for Engineering Education” JNTUACEA, ANANTAPUR, 7th October2015.
43. Participated in the Faculty Development Programme on “Entrepreneurship”, JNTUACEA, ANANTAPUR, 06th - 18th July2015.

2014

44. Attended Two Days Training Program me on “Bharath Operating System Solutions (BOSS)-Minimalistic Object Oriented LINUX (MOOL)”, JNTUACEA, ANANTAPUR, 16th& 17thOctober2014.

2013

45. Attended national seminar on “Recent Trends in networking & security “ organized by department of CSE, JNTUACE, ananthapuramu-515002, on 15th&16th November2013.

2008

46. Attended three day Training programme on “INTERNETTECHNOLOGY”JNTUACEA, ANANTAPUR, 2nd and 4th January2008.

2005

47. Attended one Month” orientation course on “value education sponsored byUGC.JNTUHUINIVERSITY,17/01/2005-12/02/2005.

2000

48. Attended short term training programme on “Internet and java” organized by the ISTE chapter, JNTU college of Engineering, Anantapur, on 9th august to 8th September,2000.

Academic Details

a. Subjects coursestaken/Labs

Academic year	I Sem	II Sem
2021-2022	Design Patterns (B.Tech IV year)	Research Methodology (M.tech-CS) Research Methodology (M.tech- AI) Problem solving and CProgramming Lab (B.TechI/I) Web Technologies Lab (MCA II/I)
2019-2020		Research Methodology (M.tech-AI) Research Methodology (M.tech-SE)
2018-2019	Software Architecture & Design Patterns (M.Tech-SE)	Research Methodology (M.tech-AI) Research Methodology (M.tech-CSE) Algorithms Lab (B.Tech- II year) Design Patterns (B.Tech IV year)
2017-2018	Software Architecture (M.Tech –SE)	
2016-2017	OOPs Through C++ Lab (M.C.A-I year) Data Structures through C++ Lab (M.C.A-I year) Data structures & Databases Lab (M.Tech I year)	Design Patterns (B.Tech IV year) Linux Programming (M.C.A II year,IV sem) Linux Programming Lab (M.C.A II year, IV sem)

B. Tech ProjectsGuided

S.No	Admission No	Title of the Project	Year
1	18001A0516 19005A0513 19005A0517	Crop Prediction Using Machine Learning	2022
2	18001A0535 19005A0536 19005A0503	Placements app (title yet to modify)	2022
3	17001A0533 17001A0542 17001A0539	Blood Donation	2021
4	17001A0502 17001A0504 18005A0512	Detecting and Classifying Fetal Brain Abnormalities	2021
5	16001A0523 16001A0525 16001A0533	Skin disease detection using deep learning	2020
6	16001A0507 16001A0545 17005A0506	Machine Translation using deep learning	2020
7	15001A0538 15001A0554	IOT Based vehicle tracking system	2019
8	15001A0542 15001A0543	Alumni Information System	2019

9	15001A0557 15001A0550	AI Based college enquiry chatbot system	2019
10	14001A0507 14001A0513	Educational app for computer science concepts	2018
11	14001A0506 14001A0505	Interview review system	2018
12	14001A0539 14001A0540	College examination protocol	2018
13	14001A0515 14001A0517	Android application for CSEtutorials	2018
14	13001A0502 13001A0545	Android application for attendance management system	2017
15	13001A0517 13001A0531	Social networking website for smart connection with Alumni	2017
16	13001A0553 1300A0507	Examination results portal	2017

b. M.Tech Projects Guided

S.No	Admission No	Title of the Project	Year
1	20001D5112	Deep Learning Models- By using Vehicle Tail Light Detection and Recognition in Autonomous Driving	2022
2	20001D5201	Authority Access Control oh Health Care Record Management System.	2022
3	20001D5109	Providing Security for Shopping Preference using differential Transaction Scheme	2022
4	19001D5303	Predictive analysis of Heart Disease Based on Machine Learning Approaches	2021
5	19001D5309	Identifying Crop Types in Agricultural Land Using Deep Learning Techniques	2021
6	19001D5119	Differentiating and Shortlisting Unauthorized Extremist Reviews	2021
7	19001D5203		2021
8	18001D5401	Unified and innovative route prediction using big data trajectory clustering	2020
9	18001D5409	Vector based classification prediction to geographical location	2020
10	18001D5408	High Randomness key generation based on shallow fading correlation	2020
11	18001D5203	Detection of traffic information from social media texts	2020
12	17001D5204	Integrity Checking for Stored Data in Mobile Cloud Computing	2019
13	17001D5217	A SECURE MULTI-KEYWORD SEARCH OVER	2019

		ENCRYPTED DATA IN MOBILE CLOUDCOMPUTING	
14	17001D520 6	Enhanced Public Key Encryption with Keyword Search in Cloud	2019
15	17001D541 2	Enhancing the Histogram Based Background subtraction for detecting & tracking the moving objects	2019
16	17001D540 1	Detecting objects and regions for underwater images	2019
17	17001D511 1	An Adaptive Dynamic Mechanism for Service Integration In CoT	2019
18	16001D530 1	Sentiment Analysis on Amazon review data	2019
19	16001D540 1	Improving cloud storage area by implementing a novel compression mechanism in cloud Environment	2018
20	16001D540 2	Secure Fuzzy keyword search using a multi-owner paradigm in cloud environment	2018
21	16001D520 9	Predicting the treatment time in hospitals using IRF scheduling Algorithm	2018
22	16001D510 8	Malware detection in APP stores using content integrity verification	2018
23	16001D520 2	Search based web service and business processanti pattern detection	2018
24	16001D520 1	Enhancing Data Security with De-Duplication Using Key Exchange Protocol	2018
25	16001D511 3	Keyword search on hyper graph data bases.	2018
26	16001D520 1	Key exchange protocol	2018

27	15001D5129	A Secure Scalable and Efficient Access Control Using Public Verifiable Schema in Cloud Computing	2017
28	15001D5304	A Fuzzy C-Means Based Feature Selection to process Medical Data	2017
29	15001D5307	Video Streaming Over IEEE 802.11e	2017
30	15001D5207	Model-based Integration and System Test Automation for Software Systems	2017
31	15001D5113	Enabling Secure Data Sharing Scheme in the Cloud Storage Groups	2017
32	15001D5230	Automatic Detection of Failures and Anomalies Using Metamorphic Relations for Search Engines	2017
33	15001D5223	Load Balancing through Multipath Selection Mechanism for Big Data Centers in clouds	2017
34	12001A0510 12001A0533	Privacy policy inference of user-uploaded images on content sharing sites	2016
35	12001A0528 12001A0550	Reverse nearest neighbors in unsupervised distance based outlier detection	2016
36	12001A0552 12001A0532	Content-Based diversification of keyword queries over XML Data	2016
37	14001D5115	Optimized Job scheduling with on-demand Dynamic Fine-Grained pricing scheme for IAAS cloud platform	2016
38	14001D5101	Dynamic facsimile Recognition in scalable data bases	2016
39	14001D5120	Secure proactive source routing for wireless networks	2016
40	14001D5221	Enhanced cashma for dynamic user identity and secure authentication over ICT systems	2016
41	14001D5215	A novel approach for detecting DOS attacks using polymorphic behavior in cloud computing	2016
42	14001D5307	Incorporating location based remainders and friend locators into geo-social app	2016
43	14001D5305	A hybrid secure intrusion detection scheme for key-recovery attacks	2016
44	14001D5106	Detection of malicious packet dropping attacks in wireless adhoc networks using enhanced HLA scheme	2016
45	14001D5117	Performance evaluation of network assisted device discovery for LTE-Based device to device communication system	2016
46	14001D5208	Development of a GUI code based on lab view for the evaluation of solid propellant burning rate by ultrasonic technique	2016
47	14001D5107	Implementing integrated web-data services to promote telemedicine database management system	2016

c. MCA ProjectsGuided

S.No	Admission No	Title of the Project	Year
1	19001F0009	Medical Image Classification Using Convolution Neural Network Algorithm	2022
2	19001F0004	Prediction of Heart Disease using Machine Learning	2022
3	19001F0033	Currency Fake Note Detection System Based on CNN Algorithm & Image Processing	2022
4	18001F0006	Predicting House Prices Using gradient Boosting Algorithm	2021
5	18001F0014	An Android App face detection using mobile vision for ATM machine	2021
6	18001F0017	Supermarket sales prediction using machine learning algorithms, Random forest, Decision Tree	2021
7	18001F0032	Credit card Fraud Detection using Machine Learning Algorithms	2021
8	18001F0037	Fraud detection in Health care Insurance Funds	2021
9	17001F0046	Grama panchayth service	2020
10	17001F0015	On Road vehicle breakdown assistance	2020
11	17001F0045	Providing secure cloud storage by using attribute based temporary keyword search scheme	2020
12	17001F0009	A framework and analysis of road accidents	2020
13	17001F0025	Group data sharing in cloud computing	2020
14	16001F0005	An Android application for online Examination system	2019
15	16001F0025	An android application for Women safety	2019
16	16001F0026	An Android application for Pharmacy Management system	2019
17	16001F0035	A Tutorial App for master of computer application	2019
18	16001F0039	An Android application for School Management	2019
19	15001F0026	An Android Application For Location Based Alarm	2018
20	15001F0016	Scheduling Sms Android Application	2018
21	15001F0030	An Android Application For Mobile Theft	2018
22	15001F0033	An Android Application For Gps Transport Packers And Movers	2018
23	15001F0050	E-Doctor Appointment	2018
24	15001F0016	An Android Application For Scheduling SMS	2018
25	15001F0020	Defect Tracking & Bug Fixing System	2018
26	15001F0054	Advanced Mail Drop Monitoring And Customized Filtering Software	2018
27	15001F0034	Blue pages: software as a service dataset	2018
28	15001F0020	Detect tracking and bug fixing system	2018
29	15001F0036	An Android Application student Attendance Tracking System	2018
30	14001F0023	Providing security to information by using cryptology	2017
31	14001F0031	Online rental system	2017
32	14001F0026	Department activity portal	2017
33	14001F0001	Secured cybernetic protector in secret Intelligence agency	2017
34	14001F0006	Rectification of texture passwords by using pass matrix	2017
35	14001F0021	A secure platform for multiple access control system	2017
36	14001F0033	E-filing of income tax returns	2017
37	14001F0005	Cargo Management system	2017

38	14001F0031	Online Rental system	2017
39	13001F0010	Case management for investigation process	2016
40	13001F0005	Developing web application on corruption control through budget maintenance	2016
41	13001F0008	Trusty URI'S: Verifiable, immutable and permanent digital artifact for linked data	2016
42	13001F0048	Passive IP-Trace back security model for internet protocols	2016
43	13001F0003	Cipher text-policy attribute-based encryption for data privacy in military networks	2016

d. PhD scholars

S.No	Admission No	Title of the research work	Research Status
1	15PH0516	A model to analyze the heterogeneity issues of Big Data	Submitted
2	15PH0518	Big data health care analytics on clinical datasets using predictive analysis	Submitted
3	16PH0501	A software model for reliable decision making process by integrating the sustainability.	Completed
4	16PH0504	Design a energy efficient routing protocol for wireless sensor networks.	Submitted
5	17PHI0502	Nobel methodology in Data mining & prediction using Deep Learning.	Submitted
6	17PHI0507	Development and application of a novel clustering framework for trajectory data mining.	Submitted
7	18PH0507	Summarization large text collection using cluster based on Map reduce framework.	Ongoing
8	18PH0514	Robotic process Automation as a service in Cloud Computing.	Ongoing
9	19PH0534	Improving the performance security and QoS in mobile adhoc networks.	Ongoing
10	19PH0526	Performance improvement for various applications using real time big data computing.	Ongoing

Social activities:

- Regular contributor for JEEVANI ORPHANAGE FOR CHILDREN at Anantapur;
- Regular contributor for GURU PADHUKA SEVA TRUST, Anantapur which organizes Blood donation camps, Medical camps, Cleaning camps, providing domestic facilities for old people and children etc.,
- Regular contributor for SAVE THE GIRL CHILD Organization, GOVT OF INDIA.
- Regular contributor for World Vision India Organization, GOVT OF INDIA.
- Regular contributor for Sri Guru Raghavendra Orphanage, Prasannayapalli, Anantapur District A.P.

- Regular contributor for Child Vision Foundation (save child & make future) NGO
Mumbai Recognized by GOVT OF INDIA.

**Dr.S.Vasundra,
Professor Dept of CSE &
JNTUA CEA,
Aanantapur,
Andhra Pradesh**