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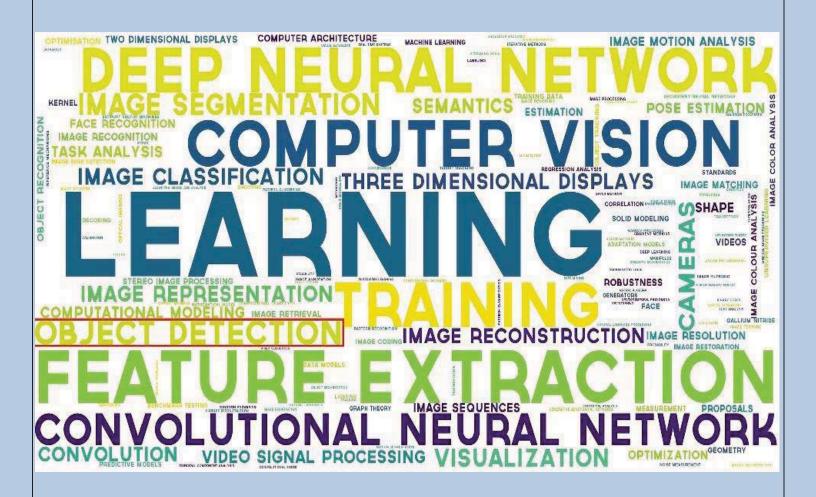
VELAGAPUDIRAMAKRISHNASIDDHARTHAENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NEWS LETTER

(For Private Circulation Only)

Volume No. 9 Issue No.2 July, 2020





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

About the Department

The Department of Computer Science and Engineering was established in the year 1985 with its cohesive team of faculty members, offers a sound program at the UG as well as the PG levels. The curriculum is a blend of the conventional and the radical. It is updated regularly to keep up with the growing demands and the changing trends of the software industry and research laboratories. Also Department has a thriving research environment with active research groups in the areas of Bioinformatics, Data and Web Mining, Information and System Security, Computer Networks, Digital Image Processing and Video Analytics.

Governing Body Members



Sri.N.Venkateswarlu **President, SAGTE**



Sri.P.LakshmanaRao Secretary, SAGTE



Sri. M. Rajaiah Vice-President & Convener, **SAGTE**



Dr A V Ratna Prasad Principal, VRSEC



Dr D Rajeswara Rao Prof. & HOD: CSE Department

Events Organized in the Department



Alumni Interactions Guest Talk on "Cloud Computing" by Mr. Gopi Krishna Bodapati Software Development Engineer Test Beacon Street Services- Baltimore, Maryland on 12th February 2020



Three Day Boot Camp on "Application Design and Deployment" on 6th -8th February-2020



Group Photo @ Boot camp



One Day Workshop on "Intellectual Property Rights & Innovations" on 22nd February 2020



Guest Talk on "Dynamics of Communications" under CSI Student 23rd January 2020



Technical Quiz **CSI TechnoPerito** under CSI Student Chapter and ELITE Coding Club on 21st January 2020



Guest Talk on "Cloud Infrastructure and Services" on 13th February 2020



Guest talk on "Entrepreneurship and Start-ups" on 13th February 2020



Hackathon - Smart India Hackathon 2020 on 22nd January 2020







Project EXPO - CSI Student Project EXPO on 07th January 2020



Guest Talk on "Big Data Analytics" by Mr Kishore Veleti, Enterprise Architect, Charlotte, North Carolina, USA on 08th January 2020

S.No	Type of Event, Title & Resource Persons
1.	Alumni Interactions Guest Talk on "Cloud Computing" by Mr. Gopi Krishna Bodapati
	Software Development Engineer Test Beacon Street Services- Baltimore, Maryland on 12 th
	February 2020
2.	Three Day Boot Camp on Application Design and Deployment. On 6 th -8 th February2020
3.	One Day Workshop on "Intellectual Property Rights & Innovations" by
	Dr. M Kantha Babu Director, Centre for Intellectual Property Right, College of Engineering
	Guindy, Anna University, Chennai-600025. On 22nd February 2020
4.	Guest Talk on "Dynamics of Communications" under CSI Student Chapter by
	Prof Narendranath Uppala Director- Putra Intelek International College, Malaysia
	Founder- "Power My English" on 23rd January 2020
5.	One Week FDP on Oracle Programming Using PL/SQL by Mr Bhimal Kumar Jain Technical
	Trainer Oracle on 24 th -28 th February 2020
6.	Technical Quiz CSI TechnoPerito under CSI Student Chapter and ELITE Coding Club on
	21st January 2020
7.	Guest Talk on "Cloud Infrastructure and Services" by Mr. Ajith Narayanan
	Chief Technology Officer, InfraStack Labs, Bangalore on 13th February 2020
8.	Guest talk on "Entrepreneurship and Start-ups" by Mr. Ajith Narayanan Chief Technology
	Officer, InfraStack Labs, Bangalore on 13th February 2020
9.	Two week Training Programme on "Soft Skills for Career Empowerment" by
	Mr. Naresh on 3rd – 14th February 2020
10.	Hackathon - Smart India Hackathon 2020
	Mr. Allwyn George, Associate General Manager, HCL
	Mr Sai SatishCEO, Indian Servers Pvt Ltd
	Mr Sai Krishna Anblicks Pvt Ltd on 22nd January 2020
11.	One Week FDP on "Natural Language Processing" in collaboration with E & ICT Academy,
	MNIT Jaipur on 6th - 10th January 2020
12.	Project EXPO - CSI Student Project EXPO Mr. Robert Ravi, Deputy Director General
	Department of Telecommunications, Ministry of Communications, INDIA on 07 th January'
	20

Guest Talk on " Big Data Analytics " by Mr Kishore Veleti, Enterprise Architect, Charlotte, North Carolina, USA on 08 th January 2020
Webinar on Data Center, Security Applications & Topology, B2B, B2C & Payment
Gateways by Mr Vasu General Manager, Data Center, RailTel, Ministry of Railways Govt of
India on 6 th May 2020
Workshop on "An Approach for Machine Learning Project Design and Implementation"
by Mr Shantanu Pathak Corporate Trainer DHI Training and Research Consultancy on 11 th –
18 th May 2020
Webinar on "Writing Effective Research Proposals" under AICTE Margdarshan
Dr D R Prasad Raju Scientist G (Retd), DST, New Delhi on 27 th May 2020
Webinar on Ensuring Quality Assurance in Higher Education: Role of Industry and
Professional Bodies by Sri D Ramakrishna CEO & MD Efftronics Pvt Ltd on
01 st June 2020
FDP on "Blockchain Security and Smart Contracts" under AICTE Margdarshan
On 15 th – 20 th June 2020
Online Faculty Development Program (FDP) on "Effective Teaching – Learning
Strategies in Technical Education" under AICTE Margdarshan in collaboration with
NITTTR on 22 nd – 26 th June 2020

Publications in International Journals

- G.Pranavi, M.Pranava Brunda, P.Jashwanth, V.Naga Chaitanya, D.Rajeswara Rao Semantic Image to Image Translation using Machine Learning AlgorithmsInternational Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-9 Issue-6, April 2020 ISSN: 2278-3075
- Aakula Sharon Pushpa, Dr. D. Rajeswara Rao A Novel Method for Real Time Recognition of Facial Expressions Using Machine Learning Techniques International Journal of Recent Technology and Engineering (IJRTE)
- 3. Kambhampati Monica, Dr. D. Rajeswara Rao Text to Image Translation Using Gan International Journal of Engineering and Advanced Technology (IJEAT)
- 4. Majji Vikram Raj Kumar, Dr. D. Rajeswara Rao A Future Solution for Blockchain Based Distributed Electronic Health Record Data with Confidentiality and Security Using Blake2b nternational Journal of Recent Technology and Engineering (IJRTE)
- 5. Majji Vikram Raj Kumar, Dr. D. Rajeswara Rao Blockchain Governance in Supply Chain Market International Journal for Modern Trends in Science and Technology (IJMTST)
- 6. G. Charan Dinesh, Md. Razzaq, A. Ragavendra Rao, K. Srinivas Land Cower change detection using M-Siamese Network International Journal of Recent Technology and Engineering (IJRTE) Vol. -9, Iss-1, May 2020 2277-3878
- K. Suvarna Vani Praveen Kumar Kollu An Exploration of Mixed DNA Samples by Forensic Biological Data International Journal of Natural Computing Research Volume 9, Number 2, 2020 1947-9298 SCI, DBLP
- 8. K. Suvarna Vani Optimal Fuzzy C-means Clustering Technique for Big Data Analytics with Map Reduce based on Hybrid Optimization Algorithm Journal of Advanced Research in Dynamical and Control Systems Volume 11 1943-023X SCI and SCOPUS
- 9. Ch. Rupa Computational System to Classify Cyber Crime Offenses Using Machine Learning Journal of Sustainability Vo.12, No. 10, pp. 1-15, 2020 2071-1050 SCI, Scopus
- 10.G. krishna kishore., G. Sabita, D. Suresh babu Pedestrian detection using Non-Maximum Suppression algorithm TEST Engineering and Management May-June 2020 0193-4120 Scopus
- 11. Hemasai.k, s. Ravi kishan, Suresh babu.D Predicting crop yield and effective use of fertilizers using machine learning techniques International journal of innovative technology and exploring engineering Volume 9 issue-7 May-2020 ISSN: 2278 -3075

- 12. Geethika.j, Siddhartha.D, Anulekha K, Ravikishan S Ambient air pollution forecasting system using Deep Neural Networks International Journal of Engineering Research and Technology Volume 8 issue-6 March -2020 2277-3878
- 13.G. Anuradha A novel ensemble modeling for intrusion detection system International Journal of Electrical and Computer Engineering (IJECE) Vol. 10, No. 2, April 2020, pp. 1959~1967 2088-8708 SCOPUS
- 14.K Srinidhi, G Jotsna Priya, M Rishitha, K Tejo Vishnu, G Anuradha Detection of Melanoma Skin Cancer using Convolutional Neural Network algorithm International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-7, May 2020 2278-3075
- 15. Karishma Shaik, Yaswanth Karreddula, Mujahid Maheer, Sai Pranay Roop Donthamsetty, G. Anuradha Classification of Plant Leaf Diseases using CNN International Journal of Innovative Technology and Exploring Engineering (IJITEE) 2278-3075
- 16. Jayanag bayana Multiclass Analyzer for Movie Sentiments using Machine Learning Techniques International Journal of Recent Technology and Engineering Volume-8 Issue-5, January 2020 2277-3878
- 17. Jayanag bayana Vehicle Monitoring System International Journal of Recent Technology and Engineering Volume-8 Issue-6, March 2020 2277-3878
- 18. Jayanag bayana Effective Cardiovascular Disease Prediction using Hybrid Machine Learning Techniques International Journal of Engineering and Advanced Technology Volume-9 Issue-4, April, 2020 2249 8958
- 19.G Kranthi Kumar A non-linear Kernel feature subset selection based semi-supervised framework for medical disease prediction International Journal of Advanced Science and Technology Scopus
- 20.Madhuri Pydi, K. L. Sailaja A Framework for the Image Retrieval System Based on Histogram Normalization Technique International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-4, April 2020 ISSN: 2249 – 8958
- 21.M. Ramesh Kumar, Ravi Kumar Tenali, S.Rajeswari, B.B.V.SatyaVara Prasad, Anitha Potnuri Quantifying Prejudiced Statistics Information Based on Tweets International Journal of Scientific & Technology Research H VOLUME 9, ISSUE 01, JANUARY 2020 ISSN 2277-8616 Scopus

- 22. Rajeswari Setti, Vyshnavi Davuluri, Vikas Mulpuru, Pavan Kumar Tummala and Srikanth Vemuru Computational approaches for semiquantitative data analysis and validation Drug Invention Today | Vol 14 Issue 1 2020 ISSN: 0975-7619
- 23. Prathyusha ch, S. Rajesh Lung CT Image Classification using Deep Neural Networks for Lung Cancer Detection International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-3, February 2020 ISSN: 2249 – 8958
- 24. Hari chandana D, S.Rajesh Heart disease prediction using machine learning technique journal International Journal of Engineering Research and Technology Accepted Scopus
- 25.K. Yojitha, K. pujithasai, V. Harsha Vardhan, T.M.S.Mahesh, Rajesh Singamaneni E-Ration Shop: Android Application to Provide All Ration Shop Service Journal of Critical Reviews VOL 7, ISSUE 17, PP:934-937 JUNE 2020 ISSN- 2394-5125 Scopus
- 26.M. Srilatha, Y. Spoorthy, K Sai Sreeja, Y Samhitha, B Priyanka Indian Counterfeit Currency Detection IJITEE Vol-9, 01/04/2020 2278-3075
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- 28. Poluru, Ravi K.; Reddy, M. Praveen Kumar; Basha, Syed Muzamil; Patan, Rizwan; Kallam, Suresh Enhanced Adaptive Distributed Energy-Efficient Clustering (EADEEC) for Wireless Sensor Networks Recent Advances in Computer Science and Communications Volume 13, Number 2, 2020, pp. 168-172(5) 2666-2558 Scopus
- 29. Ragha Madhuri Chandra, Automatic classification of emotions for extempore speech TEST engineers and management Volume 83 march/April 20200193-4120 Scopus
- 30. Divya Pulipaka, M.Sobhana Mukesh Chinta, Ch. Smitha Chowdary A Framework for the Classification Task of Recognizing Weather Condition in an Image using Supervised Learning Methods International Journal of Recent Technology and Engineering Volume-8 Issue-5, January 2020 ISSN: 2277-3878
- 31. Divya Pulipaka, M.Sobhana Mukesh Chinta, Ch. Smitha Chowdary A Framework for the Classification Task of Recognizing Weather Condition in an Image using Supervised Learning Methods International Journal of Recent Technology and Engineering Volume-8 Issue-5, January 2020 ISSN: 2277-3878

- 32. Susmitha Peeka, Sabiya Tabassum, Dhanushya Pallem, Sowmya Aravapalli, M.Sobhana Visualization of Real-time Twitter Data based on Sentiment Classification International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-9 Issue-6, April 2020 ISSN: 2278-3075
- 33. Rizwan Patan, Gs Pradeep Ghantasala, Ramesh Sekaran, Deepak Gupta, Manikandan Ramachandran Smart Healthcare and Quality of Service In lot Using Grey Filter Convolutional Based Cipher Physical System Sustainable Cities and Society Accepted 2210-6707 SCI and Scopus
- 34. Swati Dhingra, Rajasekhara Babu Madda, Rizwan Patan, Pengcheng Jiao, Kaveh Barri, Amir H Alavi Internet of Things-Based Fog and Cloud Computing Technology For Smart Traffic Monitoring Elsevier IoT Accepted 2542-6605 WoS and Scopus
- 35. Anirudh Paranjothi, Mohammad S Khan, Rizwan Patan, Reza M Parizi, Mohammed Atiquzzaman Vanetomo: A Congestion Identification and Control Scheme in Connected Vehicles Using Network Tomography Computer Communications Accepted 0140-3664 SCI and Scopus
- 36.Rajasoundaran Soundararajan, Narayanasamy Palanisamy, Rizwan Patan, Gayathri Nagasubramanian, Mohammed S Khan Secure and Concealed Watchdog Selection Scheme Using Masked Distributed Selection Approach in Wireless Sensor Networks IET Communications Accepted 1751-8636 SCI and Scopus
- 37. Sethuraman Jayaraman, Manikandan Ramachandran, Rizwan Patan, Mahmoud Daneshmand, Amir H Gandomi Fuzzy Deep Neural Learning Based on Goodman And Kruskal's Gamma For Search Engine Optimization IEEE Transactions on Big Data Accepted 2332-7790 SCI and Scopus
- 38. Gopi Kasinathan, Selvakumar Jayakumar, Amir H Gandomi, Manikandan Ramachandran, Simon James Fong, Rizwan Patan Automated 3-D Lung Tumor Detection and Classification by An Active Contour Model and CNN Classifier Expert Systems with Applications Accepted 0957-4174 SCI and Scopus
- 39. Aravinthkumar Selvaraj, Rizwan Patan, Amir H Gandomi, Ganesh Gopal Deverajan, Manjula Pushparaj Optimal Virtual Machine Selection for Anomaly Detection Using A Swarm Intelligence Approach Applied Soft Computing Accepted 1568-4946 SCI and Scopus

- 40. Rajkumar Kulandaivel, Monica Balasubramaniam, Fadi Al-Turjman, Leonardo Mostarda, Manikandan Ramachandran, Rizwan Patan Intelligent Data Delivery Approach for Smart Cities Using Roadside Units IEEE Access Accepted 2169-3536 SCI and Scopus
- 41.V. Subbaraju, Karthik N., Usman Tariq, Fadi Al-Turjman, Suresh K, Praveen Kumar Reddy M., and Rizwan Patan ECMCRR-MPDNL for Cellular Network Traffic Prediction with Big Data IEEE Access Volume: 8 Page(s): 113419 113428 Date of Publication: 15 June 2020 2169-3536 SCI and Scopus
- 42.S. Manimurugan; Saad Al-Mutairi; Majed Mohammed Aborokbah; Naveen Chilamkurti; Subramaniam Ganesan; Rizwan P Effective Attack Detection in Internet of Medical Things Smart Environment Using a Deep Belief Neural Network IEEE Access Volume: 8) Page(s): 77396 77404 Date of Publication: 06 April 2020 2169-3536 SCI and Scopus
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- 44. Nalliyanna Goundar Veerappan Kousik, Yuvaraj Natarajan, Kallam Suresh, Rizwan Patan, and Amir H. Gandomi Improving Power and Resource Management in Heterogeneous Downlink OFDMA Networks Information 2020, 11(4), 203 2078-2489 WoS and Scopus
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- 46. Satya Sandeep Kanumalli, Anuradha Ch, Dr. Patanala Sri Rama Chandra Murty3 Secure V2V Communication in IOV using IBE and PKI based Hybrid Approach International Journal of Advanced Computer Science and Applications Vol. 11, No. 1, 2020 PP466-472 Scopus
- 47.K. Sree Vijaya Lakshmi, P. Chandana Fake News Detection in Machine Learning Hybrid Model' International Journal of Recent Technology and Engineering (IJRTE) Volume-9 Issue-1, May 2020. Page No.:2668-2671. 2277-3878

- 48.K. Sree Vijaya Lakshmi Product Quantization using regression IJITEE Vol. 9 Issue-8, June 2020 2278-3075
- 49.A.R.V. Pratap, J. V. D. Prasad, S.Babu, V. V. N. V. Phani Kumar Reducing Fraudulent News Proliferation Using Classification Techniques International Journal of Engineering and Advanced Technology Volume-9 Issue-3, February 2020 ISSN 2249-8958
- 50.A. Raghuvira pratp, Babu Sallagundla, Prasad JVD An Improvised CNN Approach for the Classification of Icebergs in Satellite Images using Deep LearningInternational journal of advanced science and technology (IJST) Vol. 29, No. 6, (2020), pp. 3011 3019 ISSN: 2005-4238 IJAST Scopus
- 51.S. Babu, K.NagendraBabu, K.Chaitanya, Y.Siva Ganesh, MB.Mahesh A Development of Medical Records Management System to Health Care Decision Makers using Cloud Technologies International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-4, April 2020 ISSN: 2249 – 8958
- 52.M. Uttam Kumar Gowda, N. Sai Bhargavi, Abdul Aziz Sohail, K. Balaji Nageswara Rao, M. Vani Pujitha Helper an Offline Android Application For Remote Controlling And Accessing Of Mobile International Journal of Recent Technology and Engineering Volume-8 Issue-6, March 2020. Page No.: 5074-5079. Issn: 2277-3878
- 53. Kotha Tirumala Naga Sriveni, Madala Vani Pujitha Brain Tumor Classification and Segmentation Based on Morphological Operations Using Image Processing Techniques International Journal of Engineering and Advanced Technology (IJEAT) Volume-9, Issue-4, April 2020. Page No.: 2384-2388 2249-8958

Publications in International Conferences

- 1. Dr. Ch. Rupa Block Chain Technology based Electoral Franchise IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) Scopus
- Dr.Ch. Rupa Smart Virtual Circuit based Secure Vehicle Operating System IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) Scopus
- Dr. Ch. Rupa Pentatope Based Elliptic Curve Encryption for Privacy and Protection of Multimedia Data International Conference on Automation, Signal Processing, Instrumentation and Control (i'CASIC 2020) Scopus
- 4. Dr. G. Anuradha Suvey on TYPE2 Diabeties prediction using Machine Leaning ICCMC 2020 Scopus
- G S Pradeep Ghantasala; B. Venkateswarlu naik; Suresh Kalla; Nalli Vinaya Kumari; Rizwan Patan Texture Recognition and Image Smoothing for Microcalcification and Mass Detection in Abnormal Region 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA), 13-14 March 2020 Scopus
- Gayathri Nagasubramanian, Rakesh Kumar Sakthivel, Rizwan Patan, Anahid Ehtemami, Anke Meyer-Baese, Amirhessam Tahmassebi, Amir H. Gandomi Detection and isolation of black hole attack in mobile ad hoc networks: a review Proceedings Volume 11419, Disruptive Technologies in Information Sciences IV; 114190N (2020) https://doi.org/10.1117/12.2557080 Event: SPIE Defense + Commercial Sensing, 2020, Online Only Scopus
- 7. G Kranthi Kumar Arduino based Virtual Keyboard for Locked-in-Syndrome IEEE Conference Scopus



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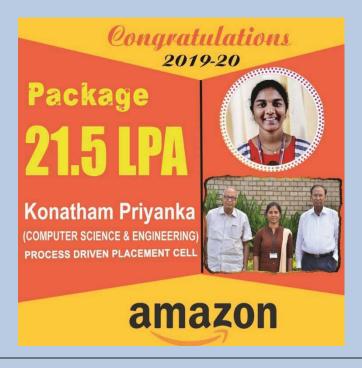




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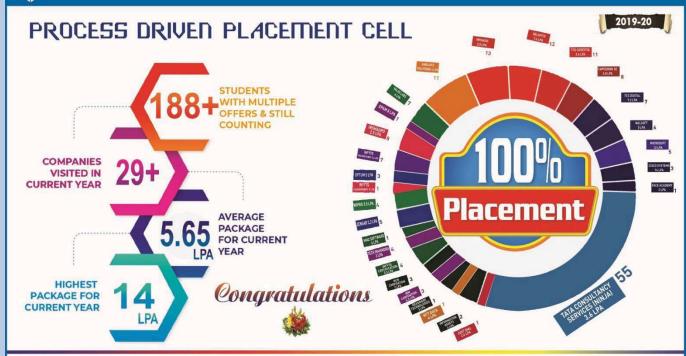
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(Autonomous) Vijayawada, A.P.





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING









Non-Teaching Staff CSE Department



Teaching Staff CSE Department

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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