Department of
**COMPUTER SCIENCE AND ENGINEERING**

# NEWSLETTER

Volume: 10          Issue: 2
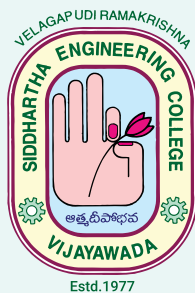
# Governing Body Members

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# About **CSE** 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.

## Publications:

- Dr. S. Vasavi A Model for Automatic Threshold Fixation for Boat Accidents Prediction. SN Comput Vol.2, Issue 3

- Dr. S. Vasavi Age Detection in a Surveillance Video Using Deep Learning Technique. SN Comput Vol.2, Issue 4

- Dr.K.Suvarna vani High utility itemset mining using path encoding and constrained subset generation Peer-to-Peer Networking and Applications volume 14, pages2410–2418 (2021)\ SCI

- Dr.K.Suvarna vani High Utility Itemset Mining using Path Encoded Utility Lists and Pattern Trees LinguisticaAntverpiensiaVolume 2021: Issue 2 Scopus

- Dr.K.Suvarna vani Mining of High Utility Item sets using Genetic Algorithm Turkish Journal of Computer and Mathematics Education (TURCOMAT) Vol. 12 No. 9 (2021)Scopus

- K.S. Vijaya Lakshmi, Dr.K.Suvarnavani Automatic tool generation for diagnosing blood anemiaJournal of cardio vascular disease research Vol. 12 Issue 4,0975-3583Scopus

- Dr.K.Suvarna vani Detection Of Significant Patterns In Cervical And Breast Cancer Proteins Annals of R.S.C.BVol. 25 Issue 4, PP: 19350-193571583-6258 Scopus

- Dr.Ch.Rupa TBSMR: A Trust-Based Secure Multipath Routing Protocol for Enhancing the QoS of the Mobile Ad Hoc NetworkSecurity and Communication NetworksVol. 2021SCI

- P.Rizwan Computational Intelligent Sensor-rank Consolidation Approach for Industrial Internet of Things (IoT) IEEE Internet of Things Journal SCI

- P.Rizwan Ensemble Classification and IoT Based Pattern Recognition for Crop Disease Monitoring System IEEE Internet of Things Journal SCI

- P.Rizwan Internet of things-based fog and cloud computing technology for smart traffic monitoring Internet of Things Volume14 Pages 100175 ESCI

- U.Prabhu Cuddle death algorithm using ABC for detecting unhealthy nodes in wireless sensor networks Evolutionary Intelligence 18645909 SCI

- U.Prabhu Flower Pollination Algorithm with Powell's method for the minimum energy broadcast problem in wireless sensor networkWireless Personal Communications SCI

- P.Rizwan Mutual Informative MapReduce and Minimum Quadrangle Classification for Brain Tumor Big DataIEEE Transactions on Engineering Management SCI

- P.Rizwan Machine learning-based left ventricular hypertrophy detection using multi-lead ECG signalNeural Computing and Applications Volume33 Issue9 Pages4445-4455 SCI

## Publications in International Conferences:

- Dr. S. Vasavi Ocean Internal Wave Detection from SAR Images using Particle Swarm Optimization, Third International Conference on Advances in Electronics, Computers and Communications (ICAECC-2020)" 11th & 12th December 2020, REVA University, Bengaluru, India. Scopus

- Dr.Ch.Rupa An Intelligent and Smart IoT-Based Food Contamination Monitoring SystemInternational Conference on Computational Intelligence and Data EngineeringPages 249-258 scopus

- Dr.Ch.Rupa Secure Medical Data Using Symmetric Cipher Based Chaotic Logistic MappingInternational Conference on Advanced Computing and Communication Systems (ICACCS)Volume 1Pages 476-481scopus

- Dr.Ch.Rupa Revelation of Geospatial Information using Augmented Reality2021 Sixth International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)Pages 303-308scopus

- Dr.Ch.Rupa Pentatope Based Elliptic Curve Encryption for Privacy and Protection of Multimedia DataAdvances in Automation, Signal Processing, Instrumentation, and Control: Select Proceedings of i-CASIC 2020Pages 551-560scopus

- Dr.G. Anuradha A survey on obstacle avoidance and traffic light detection approaches for autonomous vehicle 2021 International conference on intelligence technology(CONIT)scopus

- Dr.G. Anuradha Detection of wood plants using Image processing and deep learning techniues

- Dr.M.Sobhana, Mukesh Chinta, Deepa Venna Deep Residual Convolutional Neural Network Based Detection of Covid-19 from Chest-X-Ray Images International Conference on Digital Technologies and Applications Pages 939-946Scopus

- M.Vani Pujitha Brain tumor detection using reservoir computing 4th International conference on innovative computing and communication ICICC-2021(springer) Scopus

- N.Sunny Driver distraction and drowsiness detection system 2021 International conference on intelligence technology (CONIT) scopus

- M.Srilatha Tracking machine objects in a video using YOLO 3 in cloudlet network Smart technology in data science and communication(springer) Scopus

- P.Rizwan Segmentation of Nuclei in Histopathology images using Fully Convolutional Deep Neural Architecture 2020 International Conference on Computing and Information Technology (ICCIT-1441) Scopus

- P.Rizwan Big Data and IoT: Trends, Issues and Applications Recent Advances in Computer Science and CommunicationsBentham Science PublishersScopus

- U.PrabhuA Verification of Pattern-Oriented HealthcareSystemUsingCPNToolSustainable Communication Networks and ApplicationPages 397-413PublisherSpringer, Singapore Scopus

- U.PrabhuA Distributed Spanning Tree-Based Scalable Fault-Tolerant Algorithm for Load Balancing in Web Server Farms

- Second International Conference on Smart Energy and CommunicationPages 713-718Scopus

- BOOKS / Chapters

- P.RizwanEffective Use of Deep Learning and Image Processing for Cancer DiagnosisDeep Learning for Cancer DiagnosisSpringer, SingaporeScopus

- P.RizwanVisualizing Bitcoin Using Big Data: Mempool Visualization, Visualization, Peer Visualization, Attack Visual Analysis, High-Resolution Visualization of Bitcoin SystemsBlockchain, Big Data and Machine LearningCRC Press

- P.RizwanIntroduction to Blockchain and Big DataBlockchain, Big Data and Machine LearningCRC Press

- P.RizwanBig Data System based IoT Enabling Technologies: Ubiquitous Wireless Communication, Real-Time Analytics, MachineLearning,DeepLearning,Commodity SensorsThe Internet of Things and Big Data AnalyticsAuerbach PublicationsScopus

## Student Prize Winners 2020−2021

| S. No | Name of the Student(S) | Roll No | Event | Date | Organizer Details | Prize Won |
|---|---|---|---|---|---|---|
| 1. | M.Pravallika | 178W1A0536 | Women/Hacks 3.0 Online Hackathon | 11.04.2021 | University of California Santa Barbara | Best Hardware Hack -Winner |
| 2. | M.Pravallika | 178W1A0536 | Women/Hacks 3.0 Online Hackathon | 11.04.2021 | University of California Santa Barbara | Special Category - Winner |
| 3. | M.Pravallika | 178W1A0536 | Women/Hacks 3.0 Online Hackathon | 11.04.2021 | University of California Santa Barbara | Advanced Category- Winner |
| 4. | V Jyothika | 198W1A05I9 | Renewable Energy Source ECDC Techkriti | 13.03.2021 | IIT Kanpur | 3rd Prize |
| 5. | Meghana Ch | 198W1A0513 | Bizz Quiz of ENspire | 26.06.2021 | IIIT Lucknow | 171st Rank |
| 6. | G Satya Dinesh Kumar | 198W1A0581 | Legacy Geeks | 30.05.2021 | JNTUK University College of Engineering Vizianagaram | 1st Prize |

| | | | | | |
|---|---|---|---|---|---|
| 7. | Tejaswini Sambrajyam Janjanam | 198W1A05F1 | WICDS-APSSDC Data Science program | 14.01.2021 | WICDS (Women in Coding and Data Science) and APSSDC (AP State Skill Development Corporation) | Completed |
| 8. | Meghana CH | 198W1A0513 | Quiz on Python + DS of Geeky Quiz | 13.06.2021 | Dare2Compete Furenergy-Grid | Runner Up |
| 9. | Rahul Darelli | 188W1A0573 | Techno Buzz | 28.01.2021 | KSHATRANGA at PVP Siddhartha Institute of Technology | 3rd prize |
| | M Sai Manvitha Y Manasa P Harika A VS Geethika V Sneha Y VishnuVahini M Vijaya Kumari B Harika A L Anupama M Devika | 198W1A0532 198W1A0564 198W1A0572 198W1A0570 198W1A05C4 198W1A05C7 198W1A0597 198W1A0572 198W1A0566 208W5A0509 | EnviQuiz Green India 2021 | 05.06.2021 | K Ramakrishnan College of Technology Tamilnadu | 1st Prize |
| 10. | Greshmanth Penugonda | 198w1a05E3 | National Fest Tantra 2021 - Power your mind stone | 26.03.2021 | Padmabhushan Vasant Dada PatilPratishthan's College of Engineering & Visual Arts, Mumbai | 1st Prize |
| 11. | Ooha Shree G | 198W1A05E7 | National Fest Tantra 2021 - Power your mind stone | 26.03.2021 | Padmabhushan Vasant Dada Patil Pratishthan's College of Engineering & Visual Arts, Mumbai | 1st Prize |
| | Moturi Devika | 208W5A0509 | National Fest Tantra 2021 - Power your mind stone | 26.03.2021 | Padmabhushan Vasant Dada Patil Pratishthan's College of Engineering & Visual Arts, Mumbai | 1st prize |
| 12. | Dyutik Chaudhary Suryadevara | 198W1A0554 | National Fest Tantra 2021 - Power your mind stone | 27.03.2021 | PadmabhushanVasant Dada Patil Pratishthan's College of Engineering & Visual Arts, Mumbai | 2nd prize |
| 13. | V Krishna Rohith A Bharathi K Swetha | 198W1A05C3 198W1A0503 198W1A0521 | National Level Online JAVA Challenge Contest | 26.06.2021 | KallamHaranadhareddy Institute of Technology Guntur | 1st prize |
| 14. | Puttagunta Yamini | 188W1A0544 | Swift Coder | 28.01.2021 | PVP Siddhartha Engineering College | 1st prize |
| 15. | Pujitha Kadiyala | 188W1A0522 | Swift Coder | 28.01.2021 | PVP Siddhartha Engineering College | 2nd prize |
| 16. | Ooha Shree G | 198W1A05E7 | CodeJam to I/O for Women 2021 | 28.04.2021 | Google | All India 1637 Rank |

| 17. | Rapala Tejomai | 198W1A0549 | Debate by Nehru Yuva Kendra on "Catch the Rain" | 26.02.2021 | Dhanekula College of Engineering and Technology | 2nd prize |
|---|---|---|---|---|---|---|
| 18. | Rapala Tejomai | 198W1A0549 | Quiz by Nehru Yuva Kendra on "Catch the rain" | 26.02.2021 | Dhanekula College of Engineering and Technology | 1st prize |
| 19. | P Durgesh | 178W1A05A3 | Teck Wrek | 28.01.2021 | PVP Siddhartha Institute of Technology | 3rd prize |
| 20. | Divya Sai Asanvitha | 188W1A0574 | Swift Coder | 28.01.2021 | PVP Siddhartha Engineering College | 1st Prize |
| 21. | S Kavya Sharmila | 198W1A05F8 | ANECDOTE | 12.06.2021 | VR Siddhartha Engineering College | 1st Prize |
| 22. | GSSV Badrish | 198W1A0580 | Codestorm | 26.06.2021 | VR Siddhartha Engineering College | 2nd Prize |
| 23. | Y Vishnu Vahini | 198W1A05C7 | Smarticus- Quiz | 13.06.2021 | VR Siddhartha Engineering College | 3rd Prize |
| 24. | P Alekhya | 188W1A0599 | National Level Coding Competition | 23.02.2021 | CSI and ELITE Coding Club of Department of CSE, VR Siddhartha Engineering college | 1st Prize |
| 25. | K V Sruthi | 188W1A0526 | Quizzard | 26.06.2021 | VR Siddhartha Engineering college | 1st Prize |
| 26. | Gurram Kiran | 198W1A0583 | Idea spark | 20.01.2021 | VR Siddhartha Engineering college | 1st Prize |
| 27. | Kavya Sree K A Yamini | 198W1A0588 | Idea spark | 09.01.2021 | VR Siddhartha Engineering college | 2nd prize |
| 28. | V Vandana K Swetha | 198W1A0562 198W1A0521 | Idea spark | 21.01.2021 | VR Siddhartha Engineering college | 3rd prize |

## Faculty Awards & Recognitions

| S. NO | NAME OF THE FACULTY | PARTICULARS OF REWARD / RECOGNITION |
|---|---|---|
| 1 | Dr. K. Srinivas | • Technical Committee Member in Institute of Bioinformatics and Computational Biology (IBCB)<br>• Organising Member, IEEE Computer Society Chapter, Vizag Bay Section (AP) IEEE<br>• Reviewer member for Journal of Computer Science<br>• Reviewer member for Journal of Pharmaceutical Research International |
| 2 | Dr. S. Vasavi | • Organising Member, IEEE Computer Society Chapter Vizag Bay Section (AP) IEEE<br>• Best paper award International Conference On Adaptive Computational Intelligence (ICACI-2020) Department of Electronics & Communication Engineering GSSS Institute of Engineering & Technology for Women, Mysuru, India |

| 3 | Dr. K. Suvarna Vani | • Life Achievement Award 2020– 2021 Novel Research Academy Government of India Registered UA No: PY03D0003488. QMS-NSPS-20-2300373, INTERNATIONAL ORGANIZATION FOR STANDARDIZATION ISO 9001: 2015,<br>• Global Accreditation Assessment Forum Series (GAAFS), Washington D.C., United States of America.<br><br>• Technical Programme Committee Member Bennet University Springer, 10th International Advanced Computing Conference on 05th & 06th December, 2020 at Taj Vivanta Goa, Panaji, Greater Noida , Uttar Pradesh, India<br><br>• International Technical Committee Member Bauman Moscow State Technical University IEEE, The 8th International Conference on Control, Mechatronics and Automation, Moscow, Russia   November 6-8, 2020<br><br>• Peer Reviewer for  Remote Sensing Letters Taylor and Francis Routledge Taylor and Francis Group<br><br>• Technical Programme Committee Member GokarajuRangaraju Institute of Engineering and Technology (GRIET), Hyderabad Springer Lecture Notes in Networks and Systems, International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications 2021 (ICWSNUCA-2021), SCOPUS<br><br>• Reviewer in the AICTE Sponsored 3rd International Conference on Computational Intelligence & Data Engineering (ICCIDE - 2020) Department of Information Technology, Vasavi College of Engineering, Hyderabad, AICTE International Conference, Telangana, India, during 8-9 August ICCIDE-2020. in association with Springer |
|---|---|---|
| | | • Proctor Coordinator in the two-week online FDP ICT Tools for Teaching Learning Process - Demonstration Part 1 Google suit for LMS part II Enhance to different kinds of tools for online examinations and other virtual labs for IIT Roorkie jointly organized by Electronics and ICT Academies 10th August, 2020 – 21st August, 2020<br><br>• Coordinated the online training course conducted by ISRO |
| | | • Geoinformatics for Disaster Management during April 05 2021 to April 16 2021<br><br>• Overview of Web GIS Technology during 21stJune 2021 to 2nd July 2021<br><br>• GIS for supply chain management during April 26 2021 to April 30 2021<br><br>• Geospatial Inputs for Enabling Master Plan Formulation during 27th July 2020 to 31st July 2020<br><br>• Application of Geoinformatics in Ecological Studies during 13th July 2020 to 24th July 2020<br><br>• Overview of Geoprocessing using Python during 18th January 2021 to 29th January 2021<br><br>• Remote sensing Applications in Agricultural Water Management during 3rd August 2020 to 7th August 2020 |

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|---|---|---|
| 4 | Dr. Ch. Rupa | • Certificate of Appreciation Proctor Coordinator in the two week online FDP on "Cyber Security" jointly organized by Electronics and ICT Academies 05 October, 2020 - 11 October, 2020 under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" by the Ministry of Electronics and Information Technology (MeitY), Government of India. This programme is endorsed by AICTE / UGC / NBA.<br><br>• BOS member, NEC.<br><br>• Certificate of reviewing Journal of King Saud University: Computer and Information Sciences Since January 2020<br><br>• Certificate of reviewing Elsevier Since June 2020<br><br>• Reviewer award Journal of Electronic Imaging |
| 5 | Dr. Praveen Kumar K | • Member of Technical Committee, ASIP 2021ACM Singapore Chapter<br><br>• Reviewer for Asian Journal of Convergence in Technology |
| 6 | Dr. Ramesh Kumar P | • Session chair (Technical Session: Deep Learning & Image Processing) Department of Information Technology, Vasavi College of Engineering, Hyderabad, Telangana, India<br><br>• Certificate of Reviewing Elsevier Microprocessors and Microsystems<br><br>• Certificate of Reviewing Inderscience International Journal of Ultra Wideband Communications and Systems |
| 7 | Dr. M. Sobhana | • Best Faculty EET CRS 8th Faculty Branding Awards |
| 8 | Mr. Prabu. U | • One of the 100 recognized instructors worldwide to receive the DevNet Associate Pioneer badge.<br><br>• Achieved instructor level credential for completing the DevNet Associate course.<br><br>• Member, Board of Studies,<br><br>• IFET College of Engineering (Autonomous), Villupuram, Tamil Nadu – 605 108<br><br>• Awarded Reviewer Certificate for Serving as Reviewer in Internet Technology Letters, Wiley |

# Placement Drives from 01-11-2020 to 22-10-2021:

| S.NO. | DESCRIPTION | ACADEMIC YEAR 2020-2021 |
|---|---|---|
| 1 | No. of Companies Visited | 34 |
| 2 | No. of Students Selected | 150 |
| 3 | No. of Offers | 260 |

# Extra Skills imparted to students (Technical-Tools, languages, etc)

- 7 High Intensive Training programme is conducted related to placement
- 5 Value added courses (with 30 or more contact hours) offered

# Academic and other Events organized

| S.NO | TITLE & RESOURCE PERSONS |
|---|---|
| 1 | Idea Spark<br>**MR. MADHU PARVATANENI,**<br>Director and Chief Strategist,<br>MADBLOCK Technologies, Pvt. Ltd<br>9th January,2021 |
| 2 | A Guest Lecture on "Real Time Projects and Implementations in Cyber Security" under CSI Student Chapter<br>**MR B VINOD BABU**<br>Director, RYNA Technologies Pvt Ltd, Hyderabad<br>23rd January 2021 |
| 3 | One Week Online Training Program on "AR/VR Technologies"<br>**MRS. B.ARCHANA RAO**<br>Director & CEO<br>Madblocks technologies pvt Ltd<br>27th April to 01st May |
| 4 | "Intellectual Property Rights (IPR) & IP management for start-up"<br>**DR.AAMBIKAPATHY**<br>Professor, HoD& Chairman of IPR Cell<br>Galgotias College of Engineering & Technology<br>01st April 2021 |
| 5 | One Week Training Program on Applied Data Sciences<br>**MR. VIVEK MAHABALESWARANGADI,DATA SCIENTIST**<br>Harman Connected Services Technologies Pvt Ltd<br>**MRS. DHARNA AHUJA,**<br>Data Scientist, Cluster IT Solutions Pvt Ltd<br>**B.SUNIL KUMAR,**<br>Data Scientist, Cluster IT Solutions Pvt Ltd<br>16th May -22nd May 2021 |
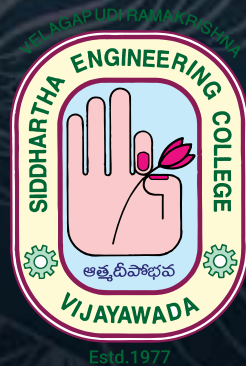
## VELAGAPUDI RAMAKRISHNA
# SIDDHARTHA ENGINEERING COLLEGE
### (AUTONOMOUS)

(Sponsored by Siddhartha Academy of General & Technical Education)

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