



Department of
COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

Volume: 10

Issue: 1



VELAGAPUDI RAMAKRISHNA **SIDDHARTHA ENGINEERING COLLEGE**

(AUTONOMOUS)

(Sponsored by Siddhartha Academy of General & Technical Education)

Approved by AICTE | Affiliated to JNTUK Kakinada

Accredited by NAAC with 'A+' Grade | An ISO 9001:2015 Certified Institution

www.vrsiddhartha.ac.in

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Principal, VRSEC



Dr. D. Rajeswara Rao
Prof. & HOD: CSE Dept.

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 in International Journals:

1. Kotnala Haritha, Dr.K.Srinivas, Canny-Back Propagation Model For Thyroid Prediction Journal Of Critical Reviews Vol 7, Issue 15, 2020 Issn- 2394-5125 Scopus
2. Dr. K.Srinivas Multi model Based Hybrid Prediction Algorithm (MM HPA) for Stock Market Prices Prediction Framework (SMPPF) Arabian Journal for Science and Engineering 1319-8025 SCI
3. Dr. K.Srinivas Novel Greedy Heuristic Optimized Multi-instance Quantitative for the Prediction of Stock Price Solid State Technology Volume: 63 Issue: 5 Scopus
4. Dr. S. Vasavi, Md.meeradurgamastan Web Based Geo Processing Workbench International Journal of Grid and Distributed Computing Vol. 13, No. 1, (2020), pp. 2771–2777, ISSN: 2005-4262, august 1st 2020 ESCI
5. Dr. S. Vasavi Geospatial Based Thunder Storm Alert System International Journal of Grid and Distributed Computing Vol. 13, No. 1, (2020), pp. 2764–2771, ISSN: 2005-4262, august 1st 2020 ESCI
6. Dr. S. Vasavi Invariant Feature based Darknet Architecture for Moving Object classification, , IEEE Sensors in Machine Vision of Automated Systems SCI
7. Dr. S. Vasavi A Model for Boat Accident Prediction Using Geographical and Topological Data. SN Comput Vol.2, Issue 2 DBLP
8. Dr. Ch.Rupa published a Book A closer Look at Cyber Security and Cryptanalysis Aug, 2020 Nova Science Publications, USA 978-1-53618-165-4
9. Dr.Ch.Rupa An improved security and privacy management system for data in multi-cloud environments using a hybrid approach Evolutionary Intelligence Vol. 14, Issue 2, Pages 1117-1133 SCI
10. Dr. Ch.Rupa Security and privacy of UAV data using blockchain technology Journal of Information Security and Applications Vol. 55 SCI
11. B.Jayanag Classification of hotel reviews using sentiment analysis Turkish online journal of qualitative inquiry Vol-12, Issue 3;pp-1108-1122 Scopus
12. B. Jayanag Framework for human activity recognition Turkish online journal of qualitative inquiry Vol-12, Issue 3;pp-1098-1107 Scopus
13. Dr. K. Praveen Kumar Extraction of 2D patterns from protein spices clustering Annals of R.S.C.B Vol. 25 Issue 4, PP: 18082-18093 1583-6258 Scopus
14. Dr. K. Praveen kumar Blockchain Techniques for Secure Storage of Data in Cloud Environment Turkish Journal of Computer and Mathematics Education (TURCOMAT) Volume 12 Issue11Pages1515-1522 Scopus
15. Dr.M.Sobhana Anomaly based network intrusion detection with ensemble classifiers and meta heuristic scale (ECMHS) in traffic



- flow streams Journal of Ambient Intelligence and Humanized Computing Pages 1-28 SCI
16. S. Rajesh Lung CT image recognition using deep learning techniques to detect lung cancer International journal of emerging trends in engineering research Vol. 8 Issue 7, pp-3575-3579 2347-3983 Scopus
17. K.S.Vijaya Lakshmi Printingqueue Android mobile Application International research journal of engineering and technology Vol. 7 Issue 8, pp-4888-4892 2395-0072
18. JVD Prasad, A.Raghuveerapratap, S.Babu A feature selection strategy to predict type 2 diabetes on early stage using machine learning models Advance in mechanics Vol. 9 Issue 2, pp-188-194 Scopus
19. J.Rangarao Mammogram classification with forest optimization using machine learning algorithms International Journal of current research and reviews Vol. 13 Issue 9, pp-136-141 2231-2196 Scopus
20. S. Rajeswari Model building for internet of thing based system for monitoring health care International journal of life science and pharma research Vol. 10 Issue 5, pp-L-145-L149 2250-0480 ESCI
21. M.Srilatha Machine learning techniques on bigdata analytics using spark-R for sustainable IT sector Journal of green engineering Vol. 10 Issue 9, pp 7133-7140 1904-4720 Scopus
22. P. Rizwan Kinematic Adaptive Frequency Sampling Combined Spatio Temporal Features for Snow Monitoring in Aerospace Applications Expert Systems with Applications SCI
23. P.Rizwan Multivariate regressive deep stochastic artificial learning for energy and cost efficient 6G communication Sustainable Computing: Informatics and Systems Volume 30 Pages 100522 SCI
24. P.Rizwan DAWM: Cost-Aware Asset Claim Analysis Approach on Big Data Analytic Computation Model for Cloud Data Centre Security and Communication Networks Volume 2021 SCI

Publications in International Conferences:

1. Dr. S. Vasavi Predictive analytics of bridge safety for intelligent transportation system using ensemble model Materials Today: Proceedings2021 45, pp. 5608–561 Scopus
2. Dr.K.Suvarnavani Road deformation detection IEEE 7th international conference on smart structures and systems ICSSS-2020Scopus
3. Dr.K.Suvarnavani, S.RajeswariOCR Assisted translatorIEEE 7th international conference on smart structures and systems ICSSS-2020Scopus
4. Dr.Ch.Rupa A Blockchain Based Cloud Integrated IoT Architecture Using a Hybrid DesignInternational Conference on Collaborative Computing: Networking, Applications and WorksharingPages 550-559scopus
5. Dr.Ch.Rupa Proficient Smart Soil based IoT



- System for Crop Prediction 2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA) Pages 752-757 Scopus
6. Dr.Ch.Rupa Remotely Controlled Surveillance Vehicle with Live Video Streaming International Conference on Computational Intelligence and Data Engineering Pages 323-335 Scopus
 7. Dr. P. Ramesh Kumar Colorimetric Analysis to Predict Ph Value of the Water on Mpads (Microfluidic Paper Based Analytical Devices) Testzone Area Proceedings of the 2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bio-Engineering (ISMAC-CVB 2020) November 24, 2020 Scopus
 8. Dr. P. Ramesh Kumar IoT based State of the Art Dam Management System in Indian Scenario 2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) Pages 362-366 Scopus
 9. JVD Prasad Land cover change using deep learning techniques IISTEM International conference
 10. Ch. Mukesh Real time soil nutrient detection and analysis International conference on advance computing and innovative technologies in engineering (IEEE) Scopus
 11. Ch. Ragamadhuri, Mukeshchinta, VNV phanikumar Stock market prediction for time series forecasting using prophet upon ARIMA IEEE Sponsored 7th International Conference on Smart Structures and Systems ICSSS 20 Scopus
 12. Ch. Ragamadhuri, Dengue alert system- A

life saviour IEEE Sponsored 7th International Conference on Smart Structures and Systems ICSSS 20 Scopus

13. V. Deepa Transfiguring handwritten text and typewritten text
14. P. Rizwan Machine learning inspired phishing detection (pd) for efficient classification and secure storage distribution (ssd) for cloud-iot application 2020 IEEE Symposium Series on Computational Intelligence (SSCI) Pages 202-210 Scopus
15. U. Prabhu A LeakyReLU based Effective Brain MRI Segmentation using U-NET 5th International Conference on Trends in Electronics and Informatics (ICOEI) Pages 1251-1256 Scopus

Book / Chapters:

1. Dr.Ch.Rupa A closer Look at Cyber Security and Cryptanalysis Aug, 2020 Nova Science Publications, USA
2. K.L.Sailaja Face expression based result prediction in talent shows using deep learning Algorithms for intelligent systems Springer Scopus
3. K.L.Sailaja Autonomous obstacle avoidance robot using regression Applications of Artificial intelligence in engineering Springer Scopus
4. P.Rizwan Image analysis and data processing for COVID-19 Data Science for COVID-19 Academic Press Scopus
5. P.Rizwan Improved Deep Learning Techniques for Better Cancer Diagnosis Deep Learning for Cancer Diagnosis Springer, Singapore Scopus

**Student Prize Winners 2020–2021**

S. No	Name of the Student(S)	Roll No	Event	Date	Organizer Details	Prize Won
1	G.Sowjanya B.Vamsi	178W1A0517 178W1A0508	International Conference on Adaptive Computational Intelligence (ICACI-2020)	15.12.2020	Department of Electronics & Communication Engineering GSSS Institute of Engineering & Technology for Women, Mysuru, India	Best paper award
2	Janjanam Tejaswini Sambrajyam	198W1A05F1	Logiquiz: India's Biggest Maths and Logical Ability Quiz D2c Platform	18.09.2020	Berows organized it on Dare2Compete online platform	Won 8th All India Rank (Over 800 Participant)
3	Md Junaid Ahmed	198W1A05G5	Debug Master – A IV Days Debugging Quiz contest”	01.07.2020	Aegis of Programming Lab by School of IT, IMS, Noida	Among Top 50 achievers out of 500+ participants
4	RavulapalliGirija	198W1A0550	MyWays Career Ambassador	10.09.2020	MyWays (Company)	2nd prize
5	Aishwarya Chengalvala	188W1A0560	Creative Writing	13.07.2020	KLU Surabhi 2020	2nd prize
6	R Pratap	188W1A05A3	Photography	04.09.2020	KLU Surabhi 2020	3rd prize
7	Balikuri.Roja Pushpa	198W5A0517	Introductory Quiz	16.06.2020	SRKR Engineering College	1st prize
8	Balikuri.Roja Pushpa	198W5A0517	Singing Contest	16.06.2020	SRKR Engineering College	1st prize
9	G.Oohashree	198W1A05E7	National Engineering Olympiad	16.12.2020	National Engineering Olympiad	67th Rank In 1st Year Common Category
10	TejasriKanneganti	198W1A0556	Amaravathi Balotsavam	17.08.2020	JashuvaSamskruthika Vedika	1st Prize
11	G Ooha Shree	198W1A05E7	INCEPTRA 2020	26.09.2020	VR Siddhartha Engineering college	3rd prize
12	Omkar T	198W5A0506	INCEPTRA 2020	26.09.2020	VR Siddhartha Engineering college	3rd prize

Placements Milestones: For the A.Y. 2020-2021 92.08% students got placed. Amazon, India offered the highest salary package of CTC Rs. 32 Lakhs Per Annum for A.Y. 2020-2021. TCS- one of the Top IT Giant companies emerged as the other top recruiter with 126 offers for the last two academic years. 4 of the students got CTC INR 19.4 LPA from Amazon, India as a AWS role from the same academic year 2020-2021. For the same academic year the average salary package is CTC INR 5.80 LPA. Some of the major recruiters are Amazon, Microsoft, Cisco, Pega, PwC and Deloitte.

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

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

Consultancy and Testing, and MOUs-any specific outcome:

- Rs. 53,600/- consultancy work carried out in the Department by 2 faculty.
- 2 MOU's signed Palo Alto Networks and Indian Server (Renewal).

Faculty qualifications–up gradation:

- Mrs Ch. Anuradha, awarded Ph.D from Acharya Nagarjuna University, June 2021.

Academic and other Events organized:



Department of Computer Science and Engineering
 Date: 25th September 2020
 Time: 4.30 PM ;; Link: <https://us02web.zoom.us/j/84465240552>

Interactive Digital Meet with IBM ICE
 "Role of Technology in Getting Future Ready"

Speakers:
 Speaker from IBM ICE: Mr. Ramesh Babu, Advisor & Head Program Development, IBM Innovation Center for Education
 Speaker from Dotagami: Mr. Ramesh Babu, General Manager, Business Development & University Manager, IBM Innovation Center for Education

Topics for Discussion:
 1. Role of Industry 4.0 in higher education
 2. Transformation of Education after the Covid Pandemic

Target Audience:
 1. Role of Industry 4.0 in higher education
 2. Transformation of Education after the Covid Pandemic

Coordinator:
 Mr K Praveen Kumar
 Sr Asst Prof, Dept of CSE

INTERNATIONAL WORKSHOP On:


“Development of Intelligent Systems & Smart Devices for Societal Problems (EPICS)”

Guests of Honor :

Dr. William Oakes, Professor, Engineering Education
 Director of EPICSPURDUE UNIVERSITY, USA

Chief guest :

Dr. M. Gopi Chand
 Deputy Secretary University Grants Commission (UGC) New Delhi



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
INTERNATIONAL WORKSHOP
 on
Development of Intelligent Systems & Smart Devices for Societal Problems (EPICS)
 10th & 11th October, 2020

Resource Persons

Dr. M. Gopi Chand
 Deputy Secretary, University Grants Commission (UGC), New Delhi

Dr. William Oakes
 Professor, Engineering Education, Director of EPICS, PURDUE UNIVERSITY, USA

Dr. Vidhu Kamprath Poduvattil
 Joint Director (PHD) & Registrar, National Institute of Plant Health Management (NIPHM), Hyderabad

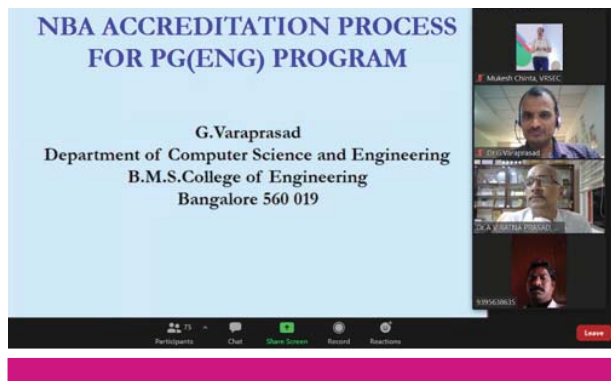
Vinod Babu B
 Cyber Security Specialist, Speaker & Trainer, Ryan Technologies, Hyderabad

Dr. Venugopala Rao K
 Scientist 'G' & Group Director, Urban Studies and Geoinformatics, ISRO

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE
 (AUTONOMOUS) SPONSORED BY SIDDHARTHA ACADEMY OF GENERAL & TECHNICAL EDUCATION, VILAYAWADA, 520007, A.P.

Two Day Online Workshop on NBA Accreditation Process & SAR Preparation: Postgraduate Engineering Programs under AICTEMARGDARSHAN on 31st Aug - 01st Sep 2020

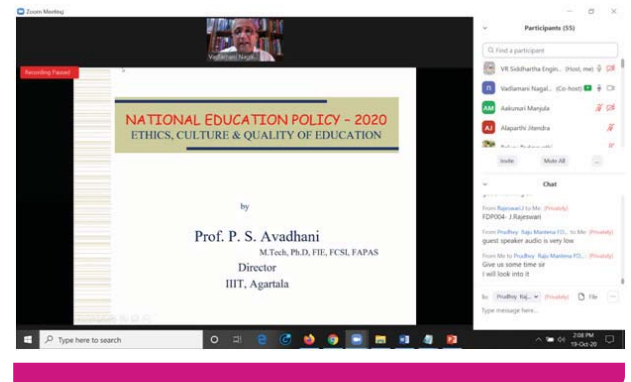
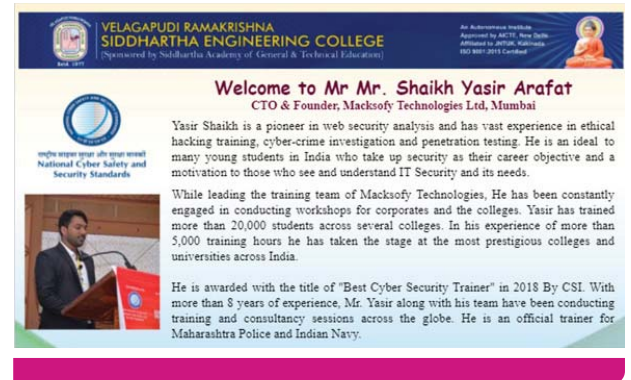
Resource Person Dr G Varaprasad Professor, Dept of CSE BMS College of Engineering Bangalore, Karnataka



Webinar on UNDERSTANDING DIGITAL TRANSFORMATION Resource Person: ShSesha Kishore Kommareddi, Director, Skdeeptech, Singapore on 4TH OCTOBER 2020



Webinar on Cybersecurity Skillset





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