



# VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## NEWS LETTER Biannual

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<http://cse.vrsiddhartha.ac.in>

Velagapudi Ramakrishna Siddhartha Engineering College established in the year 1977, is the first private Engineering College in the state of Andhra Pradesh. It is a self-financing institution which owes its foundation to the bold and inspired vision of Siddhartha Academy of General and Technical Education, Vijayawada.

The College is recognized by the AICTE (All India Council for Technical Education) and the Institution of Engineers (India) and accredited thrice by NBA (National Board of Accreditation, AICTE, New Delhi). The college was granted Autonomous status by UGC in the year 2006. The college is affiliated to Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh.

The college sponsored by Siddhartha Academy of General and Technical Education was established in 1977 as the 1st private self financing engineering college in the state of Andhra Pradesh. The academy cited is a registered society consisting of 250 philanthropists hailing from various professions, namely Doctors, Chartered Accountants, Engineers, etc The college commenced its operations with an annual intake of 180 into 4 branches of engineering (Civil Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering & Mechanical Engineering) and the institution has been growing from strength to strength.





## Department of *COMPUTER SCIENCE & ENGINEERING*



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.



Dear Students,

Welcome to the first issue of biannual CSE Newsletter. The Newsletter focus the achievements of Computer Science & Engineering Department such as Technical events organized, Placement records, Students function/excellence, Faculty research publications, Ph.D. awarded.

WISH YOU ALL THE BEST

With best regards  
**Dr.V.SRINIVASA RAO**  
 HOD: CSE Dept., VRSEC

## Events Organized in the Department



3<sup>rd</sup> International Conference on Emerging Technologies in Computer Science & Engineering organized by the Department of CSE on 17th & 18th October 2016.



A 3-Day Boot Camp on "IOT: Internet of Things Application Development using Raspberry Pi" held during 11<sup>th</sup> – 13<sup>th</sup> July 2016.



Guest talk on "IT Infrastructure: Cloud Computing" Ms Annapurna Nimmagadda, TANA Representative, Canada



Mr.Ramesh.S Head, HR advisory services addressing the student gathering during Two Day Seminar on "Roadmap for Effective Coding" held on 29th July 2016.



Dr.V.Srinivasarao, Head, Dept. of CSE presenting memento to Prof Raj Kumar Buyya Professor, University of Melbourne, Australia during Guest Talk on "Cloud Computing" held on 9<sup>th</sup> August 2016



**ENGINEER'S DAY 2016**

**Details of the Events organized**

S.No	Type of the Event	Title of the Program	Duration/ Dates
1.	Workshop	A 3-Day Boot Camp on "IOT: Internet of Things Application Development using Raspberry Pi"	11 <sup>th</sup> – 13 <sup>th</sup> July 2016
2.	Training Program	Hands-On Training Program on "Data Analytics Tools: Industry Perception Phase 1" Karvy Inc	23 <sup>rd</sup> – 24 <sup>th</sup> July 2016
3.	Guest Talk	Guest talk on "IT Infrastructure: Cloud Computing" Ms Annapurna Nimmagadda TANA Representative, Canada	26 <sup>th</sup> July 2016
4.	Seminar	A Two Day Seminar on "Roadmap for Effective Coding"	29 <sup>th</sup> – 30 <sup>th</sup> July 2016
5.	Training Program	Hands-On Training Program on "Data Analytics Tools: Industry Perception Phase 2" Karvy Inc	30 <sup>th</sup> – 31 <sup>st</sup> July 2016
6.	Training Program	Training program on "Core Networking of ISP and softwares implemented in BSNL" and a field visit 1. Sri P Raju, Sr SDE, BSNL 2. Sri D Haribabu Prasad, DGM (RTD), BSNL 3. Sri D Srinivasa Rao, JTO, BSNL 4. Sri J Umamaheswara Rao, Sr SDE, BSNL	3 <sup>rd</sup> – 4 <sup>th</sup> August 2016
7.	Guest Talk	Guest Talk on "Prospects of Higher Education" Dr Barrett R Bryant, Professor and Chair Department of Computer Science and Engineering University of North Texas, USA	5 <sup>th</sup> August 2016
8.	Guest Talk	Guest Talk on "Cloud Computing" Prof Raj Kumar Buyya Professor, University of Melbourne, Australia	9 <sup>th</sup> August 2016
9.	Guest Talk	Guest Talk on "Consulting" Mr Zubair Ahmed Business Process Designer, Information Technology & Services, Fresenius Medical Care, Germany	29 <sup>th</sup> August 2016
10.	Workshop	Two Day Workshop on "Cyber	19 <sup>th</sup> – 20 <sup>th</sup>

		Security:Threats and Vulnerabilities” Mr Ram Ganesh, Founder & CEO Mr Tarun Krishna, Director, CEO Mr Viswa Vardan, Chief Relations Mr Penchal Reddy, Business Developer CyberEye Labs, Hyderabad	Sept2016
<b>11.</b>	Workshop	One Day Workshop on “Making your Idea a Reality: Youth Carnival for Fun & Innovation”	22 <sup>nd</sup> Sept 2016
<b>12.</b>	Workshop	Two Day Workshop on “Python Programming: Threats and Vulnerabilities” Mr Pramod Shaik, Thought Works Mr Vamsi, Sagarik Info Ltd, Hyderabad	23 <sup>rd</sup> - 24 <sup>th</sup> Sep 2016
<b>13.</b>	Training	A Two Day Intensive Training on Programing Skills	24 <sup>th</sup> – 25 <sup>th</sup> Sep 2016
<b>14.</b>	Guest Talk	Guest talk on “Career Objectives in the modern world” Ms Ganta Deepthi Assembly Senior Executive, Tata Lockheed Martin Aerostructures Limited, Germany	27 <sup>th</sup> Sep 2106
<b>15.</b>	Workshop	Three Day Youth Carnival Sri Krishna Prasad Chagani Sri D V Hemanth, High Strung	26 <sup>th</sup> – 28 <sup>th</sup> Sep 2016
<b>16.</b>	Guest Talk	Guest Talk on Projects Preparation	4 <sup>th</sup> Oct2016
<b>17.</b>	Guest Talk	Guest Talk on IPv6 Implementation Issues	14 <sup>th</sup> Oct 2016
<b>18.</b>	Conference	3 <sup>rd</sup> International Conference on Emerging Technologies in Computer Science & Engineering	17 <sup>th</sup> – 18 <sup>th</sup> Oct 2016
<b>19.</b>	Guest Talk	A Guest Talk on “Innovative Thinking” Mr Tenith Adityaa Scientist	03 <sup>rd</sup> Nov 2016

**Publications in International Journals**

S. No	Name of the author(s)	Title of the paper	Journal Name	Vol., pp., and Year
1.	N. Sunny, Dr. V. Srinivasa Rao, Srikanth Mithinti, Srikanth Chitturi	Image Quality Assessment for Land use and Land Cover Classes using SRKR Model	International Journal of Computer Science and Information Security	Vol 14, 2016 pp. 1-5 ISSN 1947-5500 Thomson Reuters
2.	V. Rashmi, V. Srinivasa Rao, K. Srinivas	Comparative Analysis of Shadow Detection and Removal Methods on an Image	International Journal of Computer Science and Information Security,	Vol 14, 2016, pp 152-156 ISSN 1947-5500 Thomson Reuters
3.	M. Sreemalli, P. Chaitanya, K. Srinivas	Comparative Analysis of Machine Learning Techniques on Stock Market Prediction	International Journal of Computer Science and Information Security,	Vol 14, 2016, pp 152-156 ISSN 1947-5500 Thomson Reuters
4.	D. Sudha Rani, P. Swati, V. Srinivasa Rao, K. Srinivas	Support Vector Machine Based Classification for Face Recognition	International Journal of Computer Science and Information Security,	Vol 14, 2016, pp. 96-100 ISSN 1947-5500 Thomson Reuters
5.	Ch. Rupa,	Squint Pixel Steganography: A Novel Approach to detect Digital Crimes and recovery of medical images	Int. Journal of Digital Crime and Forensics (IJDCF),	Vol 34. No. 4, 2016 ISSN 1941-6210 DBLP, Scopus, ACM H-Index 8
6.	Ch, Rupa, D. Sasidhar	Keyed Visual Cryptography Scheme for Secure Data Transmission	World Applied Sciences,	34 (4), pp. 529-534, 2016 ISSN 1818-4952 Thomson Reuters H-Index 22
7.	Ch. Rupa	A Secure Information Framework with	Springer IEI,	vol. 97, 2016 ISSN 2250-2106



		APRQ Properties		Springer, Scopus
8.	B.Ramya, S.Rajesh	Development of Employee Attendance System Based on RFID and Face Recognition	IJRCSE	Vol-6, Issue-5, Sep - Oct, 2016 ISSN 2321-0338
9.	Srilatha.M, S.Rajeshwari and K.Rani	A Survey On Applications Of Cloudlet Infrastructure In Mobile Cloud Computing	International Journal of Latest Trends in Engineering and Technology	Vol.(8)Issue(1), pp.309-318 ISSN 2278-621X Thomson Reuters
10.	K.S.Vijayalaksh m Vamsi Nadella Dr.K.V.Sambasi va Rao Dr.E.V.Prasad	A Survey on Big Data Analysis for High Velocity Data.	International Journal of Computer Science and Information Security,	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
11.	K.S.Vijayalaksh m Dr.K.V.Sambasi va Rao Dr.E.V.Prasad	A Survey on Big Data Analysis for Data Streams	International Journal for Development of Computer Science and Technology (IJDCST)	ISSN 2320-7884 Thomson Reuters
12.	Mukesh Chinta, Jitendra Alapar thi, Kodali Eswar,	A Study on Social Engineering Attacks and Defence Mechanisms	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
13.	Raghuvira Pr atap A, JVD Prasad G.Kranthi Kumar, Dr. Suvarna Vani K	Prescriptive Analytics for Intelligent Business system	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
14.	PRamesh Kumar, SS Dhenakaran	Ear Biometrics System based on Gray Level (Spatial) Statistical Feature Extraction	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters

	S.Vasavi, P.Harish,	"Telugu Numeral Recognition using machine learning techniques",	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
15.	K. Haritha and M.Vani pujitha	Dynamic search for spatio textual queries on location based applications	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
16.	Jayanag Bayana Dr.K.V.Sambasi va Rao	A Study on Multiclass Sentiment Analyzer for Movie Reviews Using Machine Learning Techniques	International Journal for Development of Computer Science and Technology	ISSN 2321-5585 Thomson Reuters
17.	KVVN Praveena S. Ravi Kishan, D Suresh Babu	Employee Performance in Virtual Organization	International Journal of Research in computer and Communication Technology	Vol 5, 2016 ISSN 2320 - 5156 Thomson Reuters
18.	Vamsinath Javangula Suvarna Vani Koneru Haritha Dasari	Efficient Mining of Top-K High Utility Itemsets from Uncertain Databases	International Journal of Computer Science and Information Security	Vol 14, 2016 pp. 57-62 ISSN 1947-5500 Thomson Reuters
19.	K.Sushma, Suvarna Vani Koneru	Protein Secondary Structure Extraction using Bag of Words Model	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
20.	O.Likhitha, Suvarna Vani Koneru	Analysis of Breast Cancer Diagnosis using Cytological Images	International Journal of Computer Science and Information Security	Vol 14, 2016 ISSN 1947-5500 Thomson Reuters
21.	P. Udayaraju Dr.K. Suvarna vani	Analysis of Different Bioinformatics Analytic Procedures	International Journal of Computer	Vol 14, 2016 ISSN 1947-5500

	Dr.Chandra Sekhar Vasamsetty	in Biomedical Data Evaluation	Big Science and Information Security	Thomson Reuters
22.	Sri Hari Nallamala, Dr. P. Siva Kumar, Dr. K. Suvarna Vani	A Review on, "How YARN Overcomes MapReduce Limitations in Hadoop 2.0?"	International Journal of advance Research in Engineering, Science & Technology	Vol 3, Issue 4, 2016 ISSN 2394-2444 Scopus Indexed
23.	L. Surya Prasanthi, R. Kiran Kumar and Kudipudi Srinivas 6	An Improved ID3 Decision Tree Algorithm on Imbalance Datasets Using Strategic Oversampling	Int. Journal of Theory and Application	Vol. 9, No. 5, 2016, pp. 241-250 ISSN 2005-4270
24.	K Nagendra, K Leela Prasanth, K Praveen Kumar, K Venkateswara Rao	Aggregate Cryptosystem based Data Sharing in Distributed Computing	International Journal of Computer Science and Information Security	Vol 14, 2016, pp. 25-33 ISSN 1947-5500 Thomson Reuters
25.	G. Krishna Kishore, D. S Lakshmi, M. Narasimha	Configuration Monitoring and Auditing of LAN Switches	International Journal of Computer Science and Information Security	Vol 14, 2016, pp. 140-145 ISSN 1947-5500 Thomson Reuters
26.	Dr. G. Krishna Kishore, R. Navya, Rajesh K	Impact of Location Popularity on Throughput and Delay in Mobile Ad Hoc Networks	International Journal of Computer Science and Information Security	Vol 14, 2016, pp. 146-151 ISSN 1947-5500 Thomson Reuters
27.	Ch. Ratna Jyothi, Y. K. Sundara Krishna, V. Srinivasa Rao 5	Bank Notes Authentication System based on Wavelet Features and Artificial Neural Network	International journal of Computer Applications	Vol. 142 (2), pp. 24- 28, May 2016 ISSN 0975-8887
28.	Mahabub Bi, S.Jayaprada	Protecting the Privacy of Fingerprint	International Journal of Innovations in Engineering and Technology	Volume 7 Issue 3 pp.:385-394, October 2016 ISSN 2319 - 1058

			(IJIET)	
29.	S.Jayaprada, Dr.P.Bala Krishna Prasad, Dr.R.Satya Prasad	Ensemble Frequent Pattern mining discovery	International Journal for Development of Computer Science & Technology (IJDCST)	Issue-6,Vol-4, Pages:62-69, Oct-2016 ISSN 2320- 7884 Thomson Reuters
30.	M.Vani Pujitha K.Haritha,PG Scholar CSE Dept,VRSEC	Dynamic Search for Spatio-Textual Queries on Location Based Applications	International Journal of Computer Science and Information Security (IJCSIS)	Vol 14, ICETCSE,2016 ISSN 1947- 5500 Thomson Reuters
31.	V V N V PHANI KUMAR, P Sree Gayathri, PG Scholar, VRSEC	GIS future of Utility Management	International Journal of Computer Science and Information Security (IJCSIS)	Vol.14, 185- 188, October 17-18, 2016. (ICETCSE 2016 Special Issue) ISSN 1947- 5500 Thomson Reuters
32.	Jitendra, Sowmay, VRSEC	Implementing Power Distribution System Using Geographic Information System	Issue International Journal of Computer Science and Information Security (IJCSIS)	Vol.14, October 17-18, 2016. (ICETCSE 2016 Special Issue) ISSN 1947- 5500 Thomson Reuters
33.	V V N V Phani Kumar, P Sree Gayathri, PG Scholar, VRSEC	GIS future of Utility Management	Issue International Journal of Computer Science and Information Security (IJCSIS)	Vol.14, 185- 188, October 17-18, 2016. (ICETCSE 2016 Special Issue) ISSN 1947- 5500 Thomson Reuters

34.	P Raveendra Babu Ch Naveen Kumar VRSEC	Controlling Windows Media Player And Slide Presentation With Hand Gestures	IJETT	Vol.40,27-300 2016 ISSN 2231-5381
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### Publications in National Journals

S.No	Name of the author(s)	Title of the paper	Journal Name	Vol., pp., and Year
1.	V. Shanmukha Rao, V. Srinivasa Rao	Security Aware Fuzzy C-Means Cluster-based Social Spider Elliptic Curve Cryptography (FSER) Routing Protocol in FSO MANET	Indian Journal of Science and Technology	Vol 9(44), 2016 ISSN 0974-6846

### Publications in International Conferences

S. No	Name of Authors	Title of the paper	Title of the event	Organizer
1.	Ch. Rupa	Privacy Preservation of ROI of Medical Images with Squint Pixel and PLSB	22 <sup>nd</sup> IEEE Int. Conf on VSMM 2016,	Kaulalmpur, Malyesia, Oct 17-21, 2016 IEEE
2.	G.V.Priya, Ch. Deepika, Ch. Rupa	Distributed Real-Time Radar Simulation Test Bed for Qualification of Mission Critical Systems	IEEE Int. Conf on CSISSS, 2016,	Oct 6-8, Bangalore IEEE
3.	K. Suvarna Vani, K. Praveen Kumar	Protein fold identification using machine learning methods on contact maps	IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology	October 5-7, 2016, Chiang Mai, Thailand IEEE, DBLP indexing
4.	Ch. Ratna Jyothi, Y. K. Sundara Krishna, V. Srinivasa Rao	Paper Currency recognition for color images based on Artificial Neural Network	Int. Conf. on electrical, Electronics and Optimization Techniques (ICEEOT)	2016 E

<b>5.</b>	Lakshmi Tharun Ponnamm ; V. Srinivasa Rao ; K. Srinivas ; Vamsi Raavi 8	A comparative study on techniques used for prediction of stock market	Automatic Control and Dynamic Optimization Techniques (ICACDOT), International Conference on	Pune, India, 9-10 Sept. 2016 IEEE
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**R&D projects up to 2016-17**

<b>S. No</b>	<b>Name of the Faculty</b>	<b>Title of the proposal</b>	<b>Amount</b>
<b>1.</b>	Dr. V. Srinivasa Rao, Dr. K. Srinivas Dr. S. Vasavi	Robust Video Analytics - ADRIN	18,23,000/-
<b>2.</b>	Dr. S. Vasavi	A Visual Analytics Tool that creates a dashboard for hidden patterns within Road accidents dataset using Machine learning techniques, UGC- Minor research funding Project, 2014- UGC	3,50,000/-
<b>3.</b>	Dr. Ch. Rupa	Development of an application system for encoding schemes in real Time System- DST	14,45,000/-
<b>4.</b>	Dr. V. Hima Deepthi	Non- Intrusion real time driving process ergonomics monitoring system to improve road safety in a car PC environment -DST	22, 12,000
<b>5.</b>	Dr. K. Suvarna Vani, K. Praveen Kumar, D. Raviraja, Dr. Padmaja A. Jitendra Dr. N. N. Sastry	Development of web based tools for online/offline inclusion of value added services and analysis of Bhuvan images using high resolution satellite Images -ISRO	14,50000/-

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S. No.	Title	Ref. No	Name of the Faculty
<b>1.</b>	Method and a Tool "Protein Compound Prediction": Predict the Candidate Drugs for Chronic Diseases	201641020469	Dr. Vaddi. Srinivasa Rao, Dr. Kudipudi. Srinivas
<b>2.</b>	Method and system for an Interactive tool for pattern mining of protein contact maps	201641028573	Dr. K.Suvarna Vani
<b>3.</b>	Accident risk prediction using real world road transportation data	201641025927	Dr S.Vasavi
<b>4.</b>	System And Method For Detecting Decision Patterns On Software Metrics For Single And Associated Multiple Projects	201741006018	Dr. M. Nageswara Rao, Dr. Rama Koteswara Rao, Dr. Vidhya Sagar
<b>5.</b>	Method of parallel Activity scheduling for large datasets	201741016861	Dr. Visdya Sagar Dr. M. Nageswara Rao, Dr. Rama Koteswara Rao

Flash Mob at AFOSEC 2016



DEPARTMENT OF  
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**Velagapudi Ramakrishna**  
**SIDDHARTHA ENGINEERING COLLEGE**  
(Autonomous)  
KANURU, VIJAYAWADA  
ANDHRA PRADESH - 520007.INDIA

Compiled & Edited by RAMESH KUMAR P, Sr. Assistant Professor, Department of CSE, VRSEC