



**VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE**

*DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING*

**NEWS LETTER** Biannual

**(For Private Circulation Only)**

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**MISSION**

To impart high Quality technical education in order to mould the learners into globally competitive technocrats who are professionally deft, intellectually adept and socially responsible. The Institution strives to make the learners inculcate and imbibe pragmatic perception and pro-active nature so as to enable them to acquire a vision for exploration and an insight for advanced enquiry.

**VISION**

To nurture excellence in various fields of engineering by imparting timeless core values to the learners and to mould the institution into a center of academic excellence and advanced research.



## ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (C S E) was established in 1985 to run the four year undergraduate programme in Computer Science and Engineering discipline. The Department also started Post Graduate programme in Computer Science and Engineering discipline in the year 2007. The syllabus for the said courses is being constantly modified update the latest developments in the market fields. Excellent infrastructure and equipment is provided for the students, so that our students come out with knowledge of latest technology in both software and hardware. The Internet facility with 10 Mbps Leased Line connectivity has been extended to all the students at free of cost through 1 Giga bit Fiber Optic backbone network.

## PRINCIPAL MESSAGE



Dear students,

It is with great pleasure that I welcome the new issue of CSE Newsletter 2015-16. Currently the entire computing depends on the new emerging technologies of computer engineering. So I wish the students of CSE Department to excel in becoming innovative thinkers and creative developers.

With regards,

**Dr. A V Ratna Prasad**  
Principal, VRSEC

## HEAD OF THE DEPARTMENT MESSAGE

Dear Students,

Welcome to the first issue of biannual CSE Newsletter. The Newsletter focus on 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

## VIDEO ANALYTICS RESEARCH LAB INAUGURATION



The department of CSE established Video Analytics Research Lab in the department and it is inaugurated by **Mrs. Geetha Varadan, Director, ADRIN-ISRO** on 29/04/2015. This research lab is first of its kind in this region. The Department was already been sanctioned a R&D project on Video Analytics by ADRIN – ISRO worth of **Rs.18, 23, 000/-**. The main objective is to provide a base for video analytics research and to develop interaction with research institutes like ADRIN and reputed academic institutions. The efforts in this area will definitely help the department to become a centre of excellence in video analytics research.

### List of Equipment

- Pelco Sarix Fixed lens Box Camera
- Pelco Spectra IV IP 36X PTZ Dome Camera
- Pelco Digital Sentry DDSRV Network Video Recorder with 9TB Storage
- Milestone Xprotect Professional (XPPBL) Video Management System Software
- Milestone Xprotect Professional (XPPCL)
- 22" LCD Monitor for DSSRV (Acer 1 DeII 1 Samsung)

## EVENTS ORGANIZED



A One Day Seminar on University-Industrial Cooperation, Creativity, Diversity and Entrepreneurship in Computer Science

Seminar on “**Universal-Industrial Cooperation, Creativity, Diversity and Entrepreneurship**” in Computer Science”  
10<sup>th</sup> September, 2015



Lighting the Lamp at **Industry Institution Interaction**



Workshop on “**Ruby on Rails**” by Mr. Kota Dheeraj, 16<sup>th</sup> October 2015



Training Program on “**IoT- Internet of Things**” 13<sup>th</sup> – 14<sup>th</sup> October 2015



Seminar on “**Programming Practices**” Dr N B Venkateswarlu, 03<sup>rd</sup> September 2015

S.No	Type of the Event	Title of the Program	Duration/ Dates
1.	Workshop	Three Day Hands-on Training Program on Mobile Application Development- <b>“APPXPLORER”</b>	7 <sup>th</sup> – 9 <sup>th</sup> July 2015
2.	Seminar	One Day Seminar on <b>“Digital India”</b> Dr.V.S.R.Krishnaiah Senior Technical Director, NIC, Delhi	18 <sup>th</sup> August 2015
3.	Seminar	One Day Seminar on <b>“Programming Practices”</b> <b>Dr N B Venkateswarlu</b>	03 <sup>rd</sup> September 2015
4.	Seminar	One Day Seminar on <b>“Efficient Coding Practices for Industry”</b> <b>Mr K Ravi Kishore, CDAC</b>	05 <sup>th</sup> September 2015
5.	Seminar	One Day Seminar on <b>“Universal-Industrial Cooperation, Creativity, Diversity and Entrepreneurship in Computer Science”</b>	10 <sup>th</sup> September 2015
6.	Workshop	Two Day Hands on Training Program on <b>“IoT-Internet of Things”</b>	13 <sup>th</sup> – 14 <sup>th</sup> October 2015
7.	Workshop	One Day Training Program on <b>“Ruby on Rails”</b> Mr Kota Dheeraj	16 <sup>th</sup> October 2015

### Research and Development (R &D) Funded Projects

**On Going: 2**

S. No	Name of the Faculty	Sponsor Agency	Title of the proposal	Amount
1	Dr. V. Srinivasa Rao, Dr. K. Srinivas Dr. S. Vasavi	ADRIN	Robust Video Analytics	18,23,000/-
2	Dr. Ch. Rupa	DST	Development of an application system for encoding schemes in real Time System	14,45,000/-

**Research and Development (R &D) Funded Projects**

**Completed: 3**

S. No	Name of the Faculty	Sponsor Agency	Title of the proposal	Amount
1	Dr. S. Vasavi	UGC	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	3,50,000/-
2	Dr. V. Hima Deepthi	DST	Non- Intrusion real time driving process ergonomics monitoring system to improve road safety in a car PC environment	22, 12,000
3	Dr. V. Srinivasa Rao	UGC	Mining Alzheimer's Disease Signal Transaction Modularity drug Target Network	8,85,800

**Intellectual Property Rights**

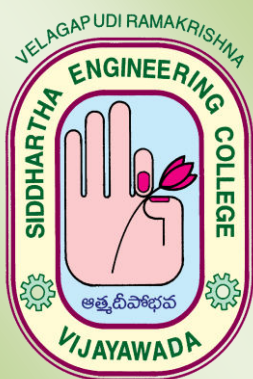
S. No.	Name of Authors	Title	Status
1	Dr. V. Srinivasa Rao, Dr. S. Vasavi, Naveen	E-Complaint System on Govt departments for the People of Andhra Pradesh	201641003379 Filed
2	Dr. Rupa. Ch, Prof. P. S. Avadhani	Information security using cheating text	8822/2015-CO/L Filed
3	Dr. V. Srinivasa Rao, Dr. K. Srinivas	A Tool "Protein Compound Prediction": Predict the Candidate Drugs for Chronic Diseases	201641020469 Filed
4	Dr. Rupa. Ch	Method and system for Secure Information Framework with APRQ Properties	201641015449 Filed
5	Dr. K. Suvarna Vani	An Interactive Pattern Mining of Protein Contact Maps	Approved
6	Dr. S. Vasavi	Accident risk prediction using real world road transportation data	Approved

**Engineer's Day Celebration 2015**



**Students admitted in Foreign Universities**

S.N O	NAME	ADMISSION INTO UNIVERSITIES
1.	ARAVIND CHOUDARY PUNUKOLLU	Queensland University of Technology Australia
2.	BANDLA GEETHA JAYA SRI	Georgia State University
3.	BHAVANA GANNE	University of Texas, USA
4.	BHAVYA VEMUGUNTA	State University of New York
5.	CHAVA HARITHA	Georgia State University
6.	DUKKIPATI SAMYUKTHA	University of Texas, USA
7.	KALLAM VENKATA SAI	State University of New York
8.	SAI CHARAN UPPUGANTI	University of Texas, USA
9.	HARI PRANATHI LAKKAMRAJU	Georgia State University
10.	NADAKUDITI LAKSHMI MONICA	Fairleigh Dickinson University
11.	NAMRATA GOLLA	University of Missouri-Kansas City
12.	V NAGA LAXMI BHIMAVARAPU	Georgia State University
13.	BADUGU NAGA HARSHA VARDHAN	University of North Texas , USA
14.	BOBBA SAI PHANI MADHAVI	University of North Carolina at
15.	GULLAPALLI SNEHA	University of North Carolina Charlotte , USA
16.	KAMBHAMPATI RAGHU RAM	University of Houston, USA
17.	MOTHUKURI SRI VAISHNAVI	University of North Carolina at
18.	NADELLA VAMSI	University of Georgia , USA
19.	PRATIVADA NAGA PUJITHA	Fairleigh Dickinson University ,
20.	VEERAMACHANENI SREE VAISHNAVI	University of North Carolina at Charlotte



**DEPARTMENT OF  
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