

**RESEARCH PUBLICATIONS**

9.	Dr. Ch. Rupa	Techniques for enhancing the performance of TCP in wireless Networks	Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Volume 324, pp. 159-167	Nov,2014
10.	Dr. Ch. Rupa	A Pragmatic methodology to predict the presence of snow/no-snow using supervised learning methodologies	International journal of applied Engineering Research, Vol. 9, pp. 11381-11394	Nov, 2014
11.	Dr S.Vasavi, Dr V.Srinivasa Rao	User Aided Approach for Shadow and Ghost Removal in Robust Video Analytics	CSI conference springer	Dec-2014.

**LIST OF FUNDED R&D PROJECTS**

S.No	Name of PI/Co-PI	Title of the project	Funding agency	Sanctioned Amount	Date of sanction	Period
1.	Dr. S. Vasavi	A Visual Analytics Tool that creates a dashboard for hidden patterns within Road accidents dataset using Machine learning techniques	UGC-minor	3,50,000/-	05-05-2014	2 Years
2.	Dr. V. Srinivasa Rao, Dr. K. Srinivas, Dr. S. Vasavi, Dr. V. Hima Deepthi, P. Ramesh Kumar	Robust Video Analytics	ADRIN	18,00,000/-	16-07-2014	3 Years
3.	Dr. Ch. Rupa	Development of an application system for encoding schemes in real Time System	DST	14,45,000/-	17-07-2014	3 Years

**Compiled & Edited by: P.RAMESH KUMAR**  
**Sr.Asst.Professor, Dept of CSE**



**Velagapudi Ramakrishna Siddhartha Engineering College**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**NEWS LETTER**  
**HALF YEARLY**

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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 institution is ideally located in a vast expanse of 24.05 acres of land on the out skirts of Vijayawada city at a distance of about 6 Kms from the city centre.



**Dr.A.V.Ratna Prasad**  
**Principal I/C, VRSEC**



**Dr.V. Srinivasa Rao**  
**Head of The Department: CSE**



### NEWSPAPER CLIP ARTS

DECCAN CHRONICLE TUESDAY | 25 NOVEMBER 2014 | VJAYAWADA

## Concentration on manufacturing sector must be increased: Chander Working on unmanned combat force, robotic soldiers: DRDO chief

DC CORRESPONDENT VJAYAWADA, NOV. 24

Emphasising the need for India to advance in technology, Defence Research and Development Organisation director general and scientific adviser for defence minister Dr Avinash Chander said the future of defence technology is having unmanned equipment where non-contact wars can take place.

Addressing a huge gathering of engineering students of VR Siddhartha Engineering College on the occasion of the launch of Centre of Excellence in Composites, Dr Chander said the DRDO has begun work on robotic soldiers that move with soldiers, identify friend and foe, and make moves accordingly. The DRDO is also working on underwater and deep underwater vehicles besides a hypersonic vehicle that can travel to US in two hours at 2,000 to 3,000 km per 1,000 to 15,000 seconds.

"For me, composite science and technology is the future and has massive capability to make light-weight guns, navigating systems, health kits and others for soldiers massive improvement is needed in composite sector," Dr Chander said.

India is strong in the IT sector but if the country needs to grow, concentration on manufacturing sector must be increased, he said. "If youth workforce is taken into manufacturing sector, wonders can be worked. The Indian government's recent initiative 'Make in India' has cleared projects worth ₹100,000 crores," he said.

Real research should be in academics and knowledge



Siddhartha Academy president N. Venkateswara and others felicitate Dr Avinash Chander and his wife Anita Mahajan at Siddhartha Engineering college on Monday. DC

## Stone set for Centre of Excellence

DC CORRESPONDENT VJAYAWADA, NOV. 24

The foundation for Centre of Excellence in Composites was set by DRDO director general and scientific adviser for defence minister Dr Avinash Chander in the mechanical department of VR Siddhartha Engineering College here on Monday.

The centre will allow students and faculty of the college to do research and develop concepts on composites which will be examined by DRDO for future projects.

Dr Chander, and DRDO's DRDL director K. Jayaraman, after launching the space meant for research centre, went through the concepts presented by M.Tech students of the mechanical department.

Dr Chander asked the management to ensure that every interested student is given access to experiment with the equipment in the research centre.

"Only hands on experience would bring out innovative ideas and teaching what already written is of no use," he added.

Dr Chander also asked the college to maintain high standards in the centre and provide needed workable equipment.

Mr Jayaraman asked students to work on life prediction of the composite products which is uncertain so far.

## DRDO TO ENCOURAGE YOUTH IN RESEARCH

DC CORRESPONDENT VJAYAWADA, NOV. 24

Admitting that there is shortage of scientists and employees in DRDO, Avinash Chander, the man behind Agni series and chief of DRDO, said that there is need for lot of young talent to enter research and development and DRDO is contemplating to encourage youngsters in that way.

Interacting with reporters on the sidelines of setting foundation to Centre of Excellence in Composites in an engineering college here, Mr Chander, the Padma Sri awardee, said the DRDO would soon set up School of Robotics in Jhadravpur University.

Over 10 such centres would come up across the country in the next five years to ensure that number of young researchers increase.

Dr Chander said the US plans to have 50 per cent unmanned combat systems by 2025 and 75 per cent by the end of the century such is the need for unmanned technology and all nations are doing it.

"The world respects strength. India was considered

poor until 1990 but it showed its strength in the IT sector and nuclear energy generated new capabilities," the DRDO chief said.

Director of DRDL, DRDO, Mr K. Jayaraman, said India is now forging ahead in the manufacturing sector where composite science makes products affordable to people.

Dr Chander and his wife Anita Mahajan were felicitated by the management of the college and Siddhartha Academy.

మంగళవారం 25 నవంబరు 2014

కల్యాణం విజయవాడ

## పరిశోధనలో విద్యార్థులు పాలుపంచుకోవాలి

భారత రక్షణశాఖ డైరెక్టర్ జనరల్ అవినాష్ చందర్



జ్యోతి ప్రజ్వలన చేసి నడచును ప్రారంభిస్తున్న అవినాష్ చందర్

కల్యాణం విజయవాడ: దేశ రక్షణ విభాగంలో అధునాతన పరిశోధనలో భాగంగా ప్రాతినిధ్యం వహించే విద్యార్థులు పాలుపంచుకోవాలి అని దేశ రక్షణ శాఖ డైరెక్టర్ జనరల్ అవినాష్ చందర్ ఆహ్వానం చేశారు. వీరలూరిలోని పీఠ విజ్ఞాన ప్రాజెక్టులో కల్యాణం విజయవాడ విభాగం అధ్యక్షులతో సోమవారం అధికార సభ్యుల్లో అయిన పాల్గొన్నారు. డి.ఎం.ఎస్. వేదికపై పరిశోధనలో పుష్ట విభాగానికి అనువాదకమైన అయ్యల సంపత్ కేశవలూరి వచ్చారు. కీర్తీబాబు, యుక్త విద్యార్థులు, డాక్టర్లు, మానవ వనానాలు, పాలిటర్నింగ్ క్యాంపస్.

సంపత్ కేశవలూరి విజ్ఞాన ప్రాజెక్టు అధ్యక్షులకు విజయవాడ డి.ఎం.ఎస్. వేదికపై డైరెక్టర్ జనరల్ అవినాష్ చందర్ మాట్లాడుతూ, రక్షణ శాఖ అభివృద్ధికి అధునాతన పరిశోధనలో పాలుపంచుకోవాలి అని పేర్కొన్నారు. పరిశోధనలో విద్యార్థులు పాలుపంచుకోవాలి అని దేశ రక్షణ శాఖ డైరెక్టర్ జనరల్ అవినాష్ చందర్ ఆహ్వానం చేశారు. వీరలూరిలోని పీఠ విజ్ఞాన ప్రాజెక్టులో కల్యాణం విజయవాడ విభాగం అధ్యక్షులతో సోమవారం అధికార సభ్యుల్లో అయిన పాల్గొన్నారు. డి.ఎం.ఎస్. వేదికపై పరిశోధనలో పుష్ట విభాగానికి అనువాదకమైన అయ్యల సంపత్ కేశవలూరి వచ్చారు. కీర్తీబాబు, యుక్త విద్యార్థులు, డాక్టర్లు, మానవ వనానాలు, పాలిటర్నింగ్ క్యాంపస్.

### RESEARCH PUBLICATIONS

S.no	Faculty Name	Publication	ISSN	Journal	Month & Year
1.	P. Ramesh Kumar	L-R Symmetry Based Feature Extraction Methods for Ear Biometrics System		International Conference on Communication and Computing Bangalore (Elsevier)	June, 2014
2.	Dr. K. Srinivas	Association Analysis of Type 2 Diabetes proteins interaction networks	0974 - 276 X	192 <sup>nd</sup> OMICS group conference, 4 th international conference on Proteomics & Bioinformatics, Chicago, USA	August 2014
3.	Dr S.Vasavi, Dr V.Srinivasa Rao	Object Detection and Classification using Bag of visual words in Robust Video Analytics		International conference on Emerging Research in Computing information, Communication and Application ERCICA 2014, Elsevier	August 2014
4.	K. Suvarna Vani	Divide and Conquer approach to contact map overlap problem using 2D pattern mining of protein contact networks		ACM SIGKDD 2014 International Conference on Knowledge Discovery and Data Mining (SIGKDD '14)	August, 2014
5.	Hima Deepthi V	ROC Analysis of Class Dependent and Class Independent Linear Discriminant classifiers using Frequency domain features		International Conference on Advances in Computing, Communications and Informatics (ICACCI), 24-27	September, 2014
6.	Hima Deepthi V	Analysis and Evaluation of Discriminant Analysis Techniques for Multiclass Classification of Human Vocal Emotions		Advances in Intelligent Informatics, Advances in Intelligent Systems and Computing 320, Springer, pages: 325-333	October, 2014,
7.	G. Krishna Kishore	Enhanced Privacy and Surveillance for Online Social		Springer conference	Nov 2014

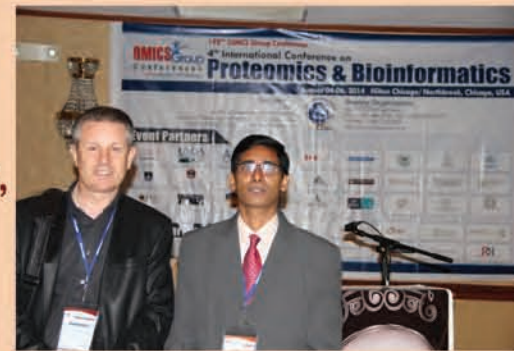


### FACULTY PRESENTING RESEARCH PAPERS ABROAD



**Dr. V. Srinivasa Rao, Professor & Head**  
Presented a paper entitled  
“Enzyme-Pathway Metabolic Network Analysis of Hypertriglyceridemia”,  
4 th international conference on Proteomics & Bioinformatics,  
Chicago, USA, 4-6, August 2014

**Dr. K. Srinivas, Associate professor**  
Presented a paper entitled  
“Association Analysis of Type 2 Diabetes proteins interaction networks”,  
4 th international conference on Proteomics & Bioinformatics,  
Chicago, USA, 4-6, August 2014



### STUDENTS FUNCTIONS & EVENTS



### EVENTS ORGANISED IN DEPARTMENT



**Dr.A.Dinakar Centre for Bioinformatics at DST Sponsored Seminar on Data Mining & Bio Informatics**



**Prof. Ram Dantu University of North Texas at National Seminar on Mobile Health Care in Smart cities**



**Mr.K.Dheeraj Software Engineer CISCO Systems at Ruby on Rails Workshop**



## TEACHER'S DAY CELEBRATION



**TEACHER'S DAY CELEBRATIONS ON 5<sup>TH</sup> SEPTEMBER 2014**



## ASSET CALENDER 2014



**ASSET BODY CHAIRMAN: Prof. Dr. V. SrinivasaRao, HOD CSE Dept**

**ASSET CO-ORDINATOR: P. Ramesh Kumar, Sr. Assistant Professor**

Members: All the bonafide students .

ASSET is a student s association was started in the year 1999, with the following objectives.

Improve the communication skills as well as presentation skills.

Improve the interaction between the students.

Improve the reporting writing skills.

A platform to conduct various technical activities and promote the student's participation with the help of state of the art audio, visual aids.

S.NO	EVENT	DATE
01	GROUP DISCUSSION	17.12.2014
02	JAM ( JUST A MINUTE )	24.12.2014
03	TELL ME ABOUT YOURSELF	31.12.2014
04	MOCK INTERVIEW (TECHNICAL)	21.01.2015
05	PROGRAMMING QUIZ	28.01.2015
06	PREPARING CURRICULAM VITAE	04.02.2015
07	FAVOURITE PERSONALITY	18.02.2015
08	TIPS ON BODY LANGUAGE	25.02.2015
09	MOCK INTERVIEW (HR)	04.03.2015
10	GROUP DISCUSSION	18.03.2015