



**VELLALAR COLLEGE FOR WOMEN (Autonomous), ERODE - 12.**  
**College with Potential for Excellence**  
**(Re-accredited with 'A' grade by NAAC**  
**& Affiliated to Bharathiar University, Coimbatore - 641 046)**

## **PG DEPARTMENT OF COMPUTER SCIENCE**

**NEWS LETTER ISSUE - II June-2015 To April-2016**

# **PRIDE OF WOMEN**



*A dash to inspire, a grit to endure and vim to persevere always mark a woman. Persisting steadfastly, she strives and strides to reach the higher echelons.*

### **EDITORIAL BOARD**

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Principal

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Dr. B.ANANTHI  
Head & Associate Professor & Head

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Mrs. S.TAMILARASI  
Mrs. K.PAVYA  
Ms. C.SARANYA &  
Ms. R.INDIRA II M.Sc.,[CS]

### **ABOUT THE INSTITUTION**

Vellalar College for Women, established in 1970, is a pioneer Institution in the cause of Women's Education towards empowerment and upliftment of rural women. With a great sense of pride and happiness we record that our institution has been Re-accredited with 'A' grade and a CGPA of 3.43 by NAAC in the third cycle.

Recently, The college has received grants from the Department of Science and Technology under FIST Programme and from the Department of Biotechnology under STAR COLLEGE SCHEME.

### **ABOUT THE DEPARTMENT**

The Department of Computer Science established in the academic year 1997-98 was upgraded with PG Computer Science in the academic year 2010-11. The department has to its credit a well-equipped infrastructure and 12 dedicated faculty who play an effectual role in molding the learners.

Our department has released the FIRST NEWS LETTER the academic year 2015-16



### **RESEARCH HIGHLIGHTS BY FACULTY**



Our faculty S.Akila has received Best Paper Award in the International Conference ICSCASE.



### **From the Editor's Desk...**

The name and fame of an institution depends on the achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students. This newsletter is a platform to exhibit the skills and innovative ideas of teachers and students. The achievements of the students will also inspire other students to excel in their domain. I thank our management for giving support. I would like to thank all those who have contributed to make this effort a success. I hope that this would be a productive ongoing process and the newsletter would bring out the inherent talent of every student.

Dr. B.ANANTHI  
Head & Associate Professor & Head



## RESEARCH HIGHLIGHTS BY FACULTY

M.Phil. Produced : 4 Faculty members pursuing Ph.D. : 6  
M.Phil. Ongoing : 4 Research Publication in National/International Journals : 12

## STAFF PUBLICATIONS

NAME OF THE FACULTY	TITLE	JOURNAL/EDITED BOOK	DATE
Dr.B.Ananthi	Multi Attribute Content Searching Scheme Based Social Group Identification For Social Networks In Mobile disconnected Networks	International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 15 pp 35050-35054	October 2015
	One Step Integrity Management Approach Based Public Auditing In Shared Data In Cloud Environment For Privacy Preservation	International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 15 pp 35936-35940	October 2015
	Efficient Resource Allocation and Scheduling Algorithm For Self Organizing Cloud Environment	International Research Journal of Engineering and Technology (IRJET), Impact factor :2.518,e-ISSN: 2395 -0056, p-ISSN: 2395-0072,Volume: 2 Issue 9	December 2015
	Light weight Multi Profile Inference Model for Efficient Public Auditing and Shared Data Management in Cloud Environment	Middle East Journal of Scientific Research, ISSN : 1990-9233, Volume 24, Issue 1, PP no. 43-50	2016
Ms.P. Radha	A Novel Approach for Improving Similarity Search Using SVM Classification Algorithm	International Research Journal of Engineering and Technology (IRJET) Impact factor :2.518, e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 2, Issue: 08,pp 736-741	November 2015
Ms.V. Priya	A Comparative study of K- SVD and WSQ algorithms in finger print compression techniques	International Research Journal of Engineering and Technology (IRJET), Impact factor : 4.45, Volume:3,Issue : 1 e-ISSN : 2395-0056, p-ISSN: 2395-0072,pp: 652-655	January 2016
	Performance Analysis on finger print compression using K-SVD and SPIHT	International Research Journal of Engineering and Technology (IRJET), Impact factor : 4.45, Volume:3,Issue : 1, e-ISSN : 2395-0056, p-ISSN: 2395-0072, pp: 643-651	January 2016
Ms.S. Akila	Coronary Heart Disease Risk Prediction using Decision Tree Analysis	Australian Journal of Basic and Applied Sciences, ISSN 1991-4178 Volume 9, Issue 27, pp 157-163	August 2015
	A Hybrid Method for Coronary Heart Disease Risk Prediction using Decision Tree and Multi Layer Perceptron	Indian Journal of Science and Technology, Impact Factor 1.05, Volume : 8,Issue : 34, ISSN(Print) : 0974-6846.ISSN (Online): 0974-5645	December 2015
Ms.K. Pavya	A Comparative study on Classification Algorithms in Data Mining	International Journal of Innovative Science, Engineering and Technology (IJISSET), Impact Factor : 4.332, Volume:3,Issue : 3, ISSN : 2348-7968, pp: 415-418	March 2016
	A Study on Data mining prediction Techniques in Healthcare Sector	International Research Journal of Engineering and Technology (IRJET),Impact factor : 4.45, Volume:3, Issue : 3 ,e-ISSN : 2395-0056, p-ISSN: 2395-0072,pp: 552-556	March 2016



## MEMORANDUM OF UNDERSTANDING

The Department signed a MoU with Browzone Infotech, Erode, to offer .Net Programming course for Final UG students.

## CERTIFICATE COURSES

The Department conducted a certificate course NSDC –Computer Hardware and Animation using Photoshop and Flash for I & II year UG Students. Two hundred and fifteen students enrolled in the course to enhance their skills and job opportunities.



## Department Activities [2015 - 16]

National Seminar, "Emerging Trends in Computer Science" on 31.07.2015. The Resource persons Dr. M.Hemalatha, Professor, Department of ECE, Narayana Engineering College, Nellore, Dr.(Tmt). A.Kangaiammal, Assistant Professor, Department of Computer Applications, Government Arts College, Salem and Dr.G.M.Nasira, Assistant Professor, Department of Computer Science, Chikkana Government Arts College.



INTER COLLEGIATE MEET - CYBER EXPO on 11.09.15 was addressed by **DR. E. GEORGE DHARMA PRAKASH RAJ**, Associate Professor, School of Computer Science and Engineering, Bharathidasan University.



**M.VANITHAMANI**, HR Professional, Infosys, Bangalore and **Mr.P.SENTHIL SIVAPRAKASH**, Senior Consultant, Computer Science Corporation India Pvt.Ltd, articulated the topic **Boosting Career** on 15.09.2015



Matlab Workshop on 08.10.2015, Mr. **L. JAYA KUMAR** and Mr. **K.JAYARAM** Programmer, Browzone Infotech illuminated the learners on Image Processing.



"Aptitude Training" on 04.01.2016 & 05.01.2016. Mr. **N.LOGANATHAN**, Mullai Academy as the resource person.



Mrs. **G.SIVAREKHA**, M.Sc (Applied Psychology) as the resource person elucidated the Motivation Programme on 10.03.2016.



## STUDENT SEMINAR

The Department conducted a student's seminar to Final UG students "Wearable Devices and Brain Computer Interface" & "Sixth Sense Technology and Electronic Eye" on 9.09.2015 and 14.09.2015 by the Final PG students. The Department conducted student seminar by Research Scholars to II-UG students about "Dreamweaver" on 28.09.2015 & 30.09.2015.



# IN AND AROUND THE DEPARTMENT

## RESEARCH HIGHLIGHTS BY FACULTY

M.Phil. Produced : 04

Faculty members pursuing Ph.D.

: 03

M.Phil. Ongoing : 06

Research Publication in National/International Journals

: 10

## PUBLICATIONS

NAME	TITLE	JOURNAL	MONTH AND YEAR
Dr.B.Ananthi	Virtual Machine Management for Cloud Data Center to Avoid Security Issues	International Journal for Scientific Research and Development –IJSRD, Volume 5 ,ISSN (online): 2321-0613, Vol 5, Issue 9, PP:1025-1028	December 2017
	An Efficient Detection and Prevention of DDOS Attacks in Cloud Environment	International Journal of Advanced Research in Computer Engineering and Technology, Volume 7, ISSN:2278-1323, Vol 7, Issue 1,PP: 45-53	January 2018
Dr.P.Radha	Restricting Barrier and Finding the Shortest Path in Wireless Sensor Network using Mobile Sink	International Journal of Recent and Innovation Trends in Computing and Communication Volume 5, ISSN (online): 2321-8169,Vol 5, Issue 12,PP :100-106	December 2017
	Normalization Based Intelligence Risk Factor Classification System for Type-2 Diabetic Patients	Journal of Advanced Research in Dynamical and Control Systems, 05 Special Issue 2018, ISSN 1943-023X, ELSEVIER Scopus, PP: 518-529	May 2018
Mrs.P.Sridevi	An Efficient Encryption Then Compression System Using Asymmetric Numerical Method	International Journal of Engineering and Technology [IJET], Volume 9, ISSN:(online)0975-4024,PP-3680-3688	Oct - Nov 2017
	Multi Keyword Ranked Search Over Encrypted Cloud Data	International Journal of Advanced Research in Computer Engineering & Technology, Volume 7, ISSN: 2278-1323, PP 25-33	January 2018
Mrs.V.Priya	A Review on Image Compression Techniques	International Journal of Contemporary Research in Computer Science and Technology, Volume 3,ISSN: 2395-5325	September 2017
	Segmentation of Blood Vessel in Retinal Images and Detection of Glaucoma Using BWAREA and SVM	International Journal of Advanced Research in Computer Engineering and Technology,Volume7, ISSN (online): 2278-1323, Issue 1,PP -54-61	January 2018
Mrs.K.Pavya	Feature Selection Techniques in Data Mining: A Study	International Journal of Scientific Development and Research (IJS DR), Volume2, ISSN:2455-2631,PP:594-598	June 2017
	Enhancing Filter Based Algorithms for Selecting Optimal Features from Thyroid Disease Dataset	International Journal of Advanced Research in Computer Science, Volume 8, ISSN (online): 0976-5697, Issue 9,PP -184-188	Nov-Dec 2017
	Review of Literature on Filter and Wrapper Methods for Feature Selection	International Journal of Engineering Sciences & Research Technology, Volume 7, ISSN (online): 2277-9655, Issue 1,PP -137-143	January 2018



## RANK HOLDERS

UG [2012-2015]



S.MYTHILIPRIYA

PG [2013-2015]



S.ANITHA



S.VIDHYA



R.JANANI

## STUDENT'S STRENGTH

I B.Sc [CS] - A&B	: 114
II B.Sc [CS] - A&B	: 95
III B.Sc [CS] - A	: 58
I M.Sc [CS]	: 56
II M.Sc [CS]	: 60

## INDUSTRIAL VISIT



The students of final B.Sc [CS] and M.Sc [CS] were taken to an Educational Tour to COCHIN and TRIVANDRUM from 15.08.2015 to 17.08.2015.

## EXTRA CURRICULAR ENGAGEMENTS

Apart from the academic involvements, coterie of enthusiastic minds engage in meaningful contribution to the societal development. A sizeable number of students are a part of voluntary forums and clubs.

NSS - 9	YRC -5	Green Society -18	Consumer Club -17	Enviro Club -7
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## PROFICIENCY PRIZE LIST 2015-16

PROFICIENCY	NAME	RANK	CLASS
ALLIED [UG]	T.REVATHI	I	II B.Sc., [CS]-B
	K.LOGAPRIYA	II	II B.Sc., [CS]-A
	P.M.DHARANI SHREE	I	III B.Sc., [CS]
	S. MEGALA	II	III B.Sc., [CS]
CORE [UG]	T. KAVITHA	I	III B.Sc., [CS]
	K. RAGAVI	II	III B.Sc., [CS]
CORE [PG]	K. CHITRA	I	II M.Sc., [CS]
	P. REVATHI	II	II M.Sc., [CS]

## POSITION HELD IN COLLEGE UNION

Union Office Bearers for the Academic year 2015-2016



A.SHOBANA  
III-B.Sc.,[CS]  
Dept. Association Secretary



K.S.VAIDEHI  
III-B.Sc.,[CS]  
Enviro Club Secretary



S.INDHUMATHI  
III-B.Sc.,[CS]  
Enviro Club Joint Secretary





## ASSOCIATION COMPETITION WINNERS

COURSE	EVENT	NAME	CLASS	PRIZE
UG	CRAFT USING STICKS	S.JENNIFFER PRINCY	I B.Sc.,[CS] -A	I
		T.JAYASRI	I B.Sc.,[CS]- A	II
		S.R.NIVETHA	I B.Sc.,[CS]- B	I
		R.SARUMATHI	I B.Sc.,[CS]- B	II
	WEALTH FROM WASTE	S.ABIRAMIPRIYA	II B.Sc.,[CS]- A	I
		N.LAKSHMI DHANA PRIYA	II B.Sc.,[CS]- A	II
		T.REVATHI	II B.Sc.,[CS]- B	I
		R.SIVARANJINI	II B.Sc.,[CS]- B	II
	COOKING WITHOUT FIRE	R.C.SANJUKTHA	III B.Sc.,[CS]	I
		S.RATHIPRIYA		
		G.KALPANADEV	III B.Sc.,[C.S]	II
		M.ROOPA		
PG	VEGETABLE CARVING	N.VAISHNAVI	I M.Sc., [CS]	I
		S.V.SHREE PRIYANKA	I M.Sc., [CS]	II





## FRESHER'S PARTY



### ON CAMPUS CONTEST WINNERS

EVENT	NAME	CLASS	POSITION
VEGETABLE CARVING	S.ABIRAMIPRIYA	II B.Sc.,[CS]-A	II
WEALTH FROM WASTE	R.SIVARANJANI	II B.Sc.,[CS] -B	III
GROUP DANCE QUIZ	T.SINDHU	II B.Sc.,[CS]-B	II
	N.GAYATHRI	I B.Sc.,[CS]- A	II
SPORTS ACTIVITY			
FOOTBALL	S.KANAGA PRIYA	I B.Sc.,[CS]- A	I
	R.MEKALA		
MARCH PAST	A.DEEPA	I B.Sc.,[CS]- A	II
	G.KOWSALYA		
	R.NAVEENA	I B.Sc.,[CS]- B	
	R.SARUMATHI		
	J.Y.SARITHA		
400 MTS RUNNING	R. MEKALA	I B.Sc.,[CS]- A	III
4*100 RELAY			
BASKETBALL	K.LOGAPRIYA	II B.Sc.,[CS]- A	RUNNER
	T.SINDHU	II B.Sc.,[CS]- B	
	R.MEKALA	I B.Sc.,[CS]- A	
	S.KANAGAPRIYA		
	D.INDHUMATHI		
KHO-KHO	T.PRIYADHARSHINI	II B.Sc.,[CS]- B	RUNNER
	T.REVATHI		
	V.BHUVANESHWARI	I M.Sc.,[CS]	
MASTER MIND (QUIZ)	K.DEEPIKA	I M.Sc.,[CS]	III
	S.INDUMATHI		
	N.VAISHNAVI		
CAPTURE QUE (PHOTOSHOP)	R.VAISHNAVI	I M.Sc.,[CS]	III

### OFF CAMPUS CONTEST WINNERS

EVENT	NAME	CLASS	POSITION	ORGANIZER
QUIZ	R.VAISHNAVI	I M.Sc.,[CS]	III	CSI COLLEGE, ERODE.
	S.INDHUMATHI			
	K.DEEPIKA			
	N.VAISHNAVI			
GROUP DANCE	T.SINDHU	II B.SC.,[CS]-B	I	SENGUNTHAR COLLEGE OF ENGINEERING AND TECHNOLOGY, THUDUPATHI

## SEND-OFF PARTY





## NEXT GENERATION ALPHABETS

 A: APPLE	 B: BLUETOOTH	 C: CHAT	 D: DOWNLOAD
 E: E MAIL	 F: FACEBOOK	 G: GOOGLE	 H: HEWLETT PACKARD
 I: IPHONE	 J: JAVA	 K: K7 ANTIVIRUS	 L: LAPTOP
 M: MESSENGER	 N: NERO	 O: ORKUT	 P: PICASSA
 Q: QUICK HEAL	 R: RAM	 S: SERVER	 T: TWITTER
 U: USB	 V: VISTA	 W: WIFI	 X: XP
 Y: YOU TUBE	 Z: ZORPIA		

S.APARNA III B.Sc [CS]

## HUMBLE PENCIL

5 Important lessons to learn from humble pencil :



1. It tells you that everything you do always leave a mark.
2. You can always correct the mistake you make.
3. The important think in life is what you are from inside and not from outside.
4. Undergoing painful sharpening will make you better in whatever you do.
5. Finally, to be the best you can be, you must allow yourself to be held and guided by the hand that holds you.



M.NITHYA KALYANI  
(II-M.sc.,(C.S))



B.DEVIKA  
(II-M.sc.,(C.S))



## Computer Word Search

LOG ON FOR FUN:

Find and circle all of the words in the list below.



G W E B S I T E L K  
S C R E E N Y B P E  
F M A L A T S G R Y  
Q O G A M E S K I B  
D U T P C R F L N O  
I S A T M N R R H T A  
S E Z O D E X A E R  
C O M P U T E R R D

COMPUTER  
SCREEN  
KEYBOARD  
MOUSE  
WEBSITE



PRINTER  
DISC  
INTERNET  
GAMES  
LAPTOP

S.V.SREEPRIYANKA [II-M.sc.,(CS)]

T. REVATHI III-B.Sc (CS)





Alpha



Beta



Cupcake



Donut



Eclair



Froyo



Gingerbread



Honeycomb



Ice cream Sandwich



Jelly Bean



Kitkat



Lollipop



Marshmallow



Nutella

G.KEERTHANA III-B.Sc [CS]

## LIFE BEFORE THE COMPUTER

a memory was something that you lost with age  
 an application was for employment  
 a program was a TV show  
 a cursor used profanity  
 a keyboard was a piano  
 a web was a spider's home  
 a virus was the flu  
 a CD was a bank account  
 a hard drive was a long trip on the road  
 a mouse pad was where a mouse lived  
 and if you had a 3 1/2 inch floppy  
 .... you just hoped nobody found out.

T.Preethi I M.Sc [CS]

## Software Engineer Life-II.

திங்கள் காலை  
 எட்டு மணிக்கு தொடங்கும்  
 கணிப்பொறியுடனான  
 எனது யுத்தம் ..  
 மதிய உணவு இடைவேளை  
 வருவதற்குள் Error, Bug  
 என்று எதிரிகள்  
 பலரை வீழ்த்தவேண்டியது  
 என் பணியாக இருக்கும் ..  
 உணவை முடித்து விட்டு  
 திரும்பினால்,  
 சொல்லாமல் வந்துவிடுகிற  
 விருந்தாளியாய் PM-ன்  
 இமெயில் கண்சிமிட்டும்.  
 அடுத்த யுத்தத்திற்கு என்னை  
 தயாராக சொல்லி ...

இடையில் அவ்வப்போது  
 காதலியின் துப்பட்டாவாக  
 மனதை வருடிப்போகும் சில  
 fwd இமெயில்கள் ...  
 மாலை நான்கு மணிக்கு  
 Discussion முடித்து  
 என் இடம் வரும்போது  
 மனம் ஏங்கும்  
 வெள்ளிக்கிழமைக்காக ..  
 கோயில் செல்ல அல்ல,  
 வாரத்தின் கடைசி  
 வேலைநாள் என்பதால் ...  
 உயிர் வலிக்க  
 "Hard" Work-செய்யும்  
 எனக்குப் பெயர்  
 'Soft'ware Engineer !!



S.ShanthiPriya I M.Sc[CS]