VELAMMAL
INSTITUTE OF TECHNOLOGY
Approved by AICTE - New Delhi, Affiliated to Anna University - Chennai
"Velammal Knowledge Park", Chennai-Kolkatta Highway, Ponneri - 601204

PIPELINE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Mrs. S. Selvakanmani
Head of the Dept

Mrs. K. Tamilarasi
Asst. Prof

FROM THE EDITOR

Let's Keep A Sharp Mind and Good Attitudes

We have to keep our minds sharp and fresh. By keeping our mind sharp, we can improve our attitude. Nothing angers a person more than not being able to remember important things or events. By having a sharp mind we can figure out situations more effectively and make wiser decisions. There are numerous ways to keep our mind sharp while keeping a good, well-rounded attitude. One of these includes understanding our goal and setting our mind towards achieving that goal. We must discipline our self with a positive attitude and surround our self with people that inspire us and to keep motivated, one should set time to reach the goal.

Positive thinking is a mindset that thrives on thoughts, words, images and affirmations conducive to personal growth and success. It is a conscious attitude that expects positive results from people and events. It's very common to hear the words "think positive," but if we need help to become more optimistic, we can implement several things to turn our attitude around.

Training our mind to practice positive thinking enables us to increase our self-esteem and perceived control in our life. Learning how our mind works and how to incorporate positive thoughts can help improve many areas, including work, family and social relationships. Improving our life through positive thinking, however, requires a proactive effort on our part to combat and change your current lifestyle and perceptual attitudes.

Pipeline October 30, the eight news letter of Dept. is ready to feed your mind

With best wishes
Mrs.K.Tamilarasi
Asst. Prof.

FROM HOD's DESK

E-mail has become the most pervasive and fastest growing means of connection and communication tool between individuals and organizations. A newsletter that is published in electronic format and distributed via email is an extremely valuable tool and it provides visibility and achievements happening in the academic environment.

I am very happy to introduce 'PIPELINE' the first newsletter from our department. Our department has been progressing at an exponential rate since its inception in 2008. This news letter would be a snapshot of the various merits and academic achievements of the faculty and students. It also helps in building up teamwork which is very much needed today in the world of competition. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the CSE department.

All credits and thanks go to the dedicated staff, students and their team work. This is only a small step towards a long journey. This maiden issue of newsletter should inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead.....
Happy Reading!

WITH BEST WISHES

S.SELVAKANMANI
HOD/CSE

From HOD's DESK
E-mail has become the most pervasive and fastest growing means of connection and communication tool between individuals and organizations.....

From Editor's Desk
We have to keep our minds sharp and fresh. By keeping our mind sharp, we can improve our attitude.....

CSI EVENTS

GUEST LECTURE ON THEORY OF COMPUTATION

1. We organized A Guest Lecture on the subject **Theory of Computation** from Computer Society of India Student Chapter on July 6, 2016 for III CSE Students.

It was organized by Mr. Rajesh Kumar, Asst. Prof, Mrs. Pranamita Nanda, Asst .Prof .The resource person is **Mrs. Bhagyalakshmi, Assistant Professor, CSE** from Velammal Engineering College. The various topics like Finite Automata, DFA, NFA, and Finite Automata to Regular Expression & Minimization of DFA were covered and doubts were cleared during the session. Students felt that this was useful for their exam point of view.

PUZZLE MANIA EVENT

2.We organized a **Puzzle Mania event** from Computer Society of India Student Chapter on July 8, 2016.

There were 25 teams from II year CSE and 32 teams from III year CSE. Preliminary round was conducted online using the software developed by IV-CSE students. Each team was given 30 minutes time for solving 2 Sudoku's and 8 puzzles. Each question has negative marking of 0.5 for a wrong answer. Teams were shortlisted for the final round based on the Preliminary round score. 8 teams from the preliminary round were selected for the final round. In this round, each team was given 2 Sudoku's and 8 puzzles with a next higher level of difficulty finally three teams out of eight were selected and awarded prizes

PAPER PRESENTATION EVENT

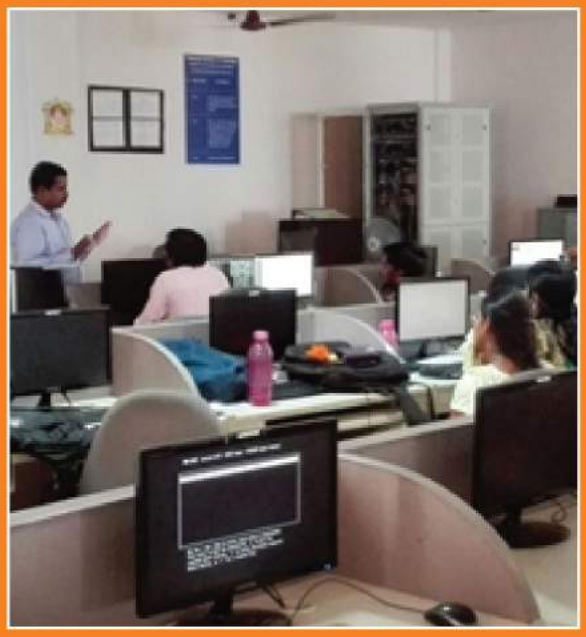
3. We organized a **Paper Presentation event** named Carte Blanche from Computer Society of India Student Chapter on July 30, 2016. The event was presided over by the HOD and inaugurated by the Staff Coordinator. Carte Blanche was conducted with a motive to facilitate the students to portray their ideas and enhance their presentation skills. They were allowed to present on various emerging technologies like Cloud Computing, Green Computing, etc., 9 teams were selected for the presentation

GUEST LECTURE ON COMPUTER ARCHITECTURE

4. We organized a Guest Lecture on the subject **Computer Architecture** from Computer Society of India Student Chapter on July 29, 2016 for II CSE students. The resource person is **Ms. Vijayalakshmi, Assistsant Professor-II Velammal Engineering College, Chennai.**

She took Various topics like Booth Multiplication PitPapir Recoding, Restoring/Non-Restoring division, Floating point are covered and the concepts were explained in detail.

5. We organized a **workshop on cloud computing** from Computer Society of India Student Chapter on August 8, 2016 for Internal faculty members. The resource person is S. Baskar, Chief Executive Officer, Linux Expert System ,Chennai. He discussed about Cloud computing -It is one of the thrust areas in the national IT and ITeS policies. In order to benefit from cloud, the Department of Electronics and IT (DeitY) has taken an ambitious project known as 'GI Cloud'. This is the Indian government's initiative to enable both Central and State governments to leverage cloud computing for effective delivery of eServices. This will boost job opportunities for tech professionals in future"



WORKSHOP ON CLOUD COMPUTING

- Scope and Future of Linux and Open Source
- Setup and Installation Linux on the Pocket
- Basic Commands and System Configuration
- Networks Setup and Tuned
- Remote Controlling of System
- Virtual Network Computing to easy manage Server
- Security and Hacking Tips and Tricks
- How to Deploy own Basic Virus and Countermeasures through Linux
- Control Linux GUI from Windows via RDP protocol.

MOBILE APPLICATION DEVELOPMENT EVENT

5.We organized a **Mobile Application Development Event** From Computer Society Of India Student Chapter on August 20, 2016. Totally two Rounds were conducted. During the first round,104 members have participated .From the first round , 40 members were shortlisted for second round . 20 teams were made each with 2 participants. Second round consist of two parts. First part, the participants were asked to develop a C coding for given the scenario and second part they were asked to debug the given coding. Based on their performance, top 3 teams were selected as winners.

WEB DESIGNING EVENT

6.We organized a **"Web Designing Event"** From Computer Society Of India Student Chapter on September 10,2016 .The preliminary round was conducted by online. Twelve teams participated in this event. The topics were Great India, Cricket, Online Shopping etc.9 teams were selected among twelve for final round. Final round was conducted on 6th September 2012.The topics for final round were Video Games, Airlines and Sony product. Three teams were announced as winners.

GUEST LECTURE ONINTERNET PROGRAMMING

4. We organized A Guest Lecture on the subject **Internet Programming** from Computer Society of India Student Chapter on August 8, 2016 for III CSE students.It was organized by Mr. Maria Michael Visuvasam, Asst .Prof,Mrs.A.V.Kalpana, Asst .Prof ,Mrs.S.Aishwarya, Asst .Prof. The resource person is **Mr.Manoj Asst.Manager,Talent Acquisition Corporate Trainer,Wipro Technologies,Chennai**.He discussed about various topics like Ajax,Web Services,Real Time Application based and industry Live Projects and the concepts were explained in detail

7.We organized "A Mind's Lab " from Computer Society of India Student Chapter on September 14, 2016. The event was inaugurated by Dr. T. Chandrashekar Principal, Velammal ITech, Ms. M. SUCHITRA, HODIT / CSE welcomed the gathering. Prof .K. Razak-Advisor and Dr. S. Soundararajan, Vice Principal, Velammal Institute of Technology, delivered a special address. Mr.D.Santhosh Kumar, Senior Technology Architect-INFOSYS, delivered an inspiring speech about the importance of knowing the mobile and web application development. At the end of Inaugral function. The program was ended with the vote of thanks by The program was ended with the vote of thanks by Ms. S. Selvakanmani, HOD / CSE. Velammal Institute of Technology. More than 50 students are participated in Mobile And Web App Development Contest.

From left: Prof .K. RAZAK- ADVISOR ,Velammal Institute Of Technology, Mr. D. SANTHOSH KUMAR,Senior Technology Architect-INFOSYS, Dr. S. SOUNDARAJAN, VicePrincipal, Velammal Institute of Technology, Mrs.M.Suchitra, HOD/IT and Ms.S.Selvakanmani, HOD/CSE.

8.We organized a Guest Lecture on the subject **Advanced Data Structure** from Computer Society of India Student Chapter on September 18,2016 for II CSE students.It was organized by Mr.Rajesh Kumar,Asst.Prof. Mrs.A.V.Kalpana,Asst Prof. The resource **person is Dr. Rajeshwari Sridhar, Assistant Professor, Senior Grade, Anna University, Chennai.** She covered various topics like Hashing, splay tree, NP Hard and Complete Problem were explained in detail

GUEST LECTURE ON GRAPH THEORY AND APPLICATION

9.We organized a Guest Lecture on the subject **"Research Methodology Technique"** from Computer Society of India Student Chapter on September 21,2016 for IV CSE students. It was organized by Mrs.S.Selvakanmani, HOD/CSE,Mr.K.Bal achander,Asst.Prof.Mr.S.Rajesh Kumar, Asst .Prof. The resource person is **Mr.Balamurugan,Assistsant Professor,Velammal Institute of Technology, Chennai.**He covered various topics like Permutation and Combination, Binomial Theorem, Principle of Inclusion and exclusion are covered and the concepts were explained in detail.

10. We organized "A National Technical Symposium" from Computer Society of India Student Chapter on September 22, 2016.More than 300 students from various engineering colleges across the state participated in various events. The event was inaugurated by Dr.T.Chandrashekar Principal, VelammalITech, Ms.S.Selvakanmani, HOD/CSE welcomed the gathering. Prof K.Razak-Advisopr, Velammal I Tech delivered a special address. Mr.R.Anand, Senior Technical Manager - TCS, released the souvenirSALVATIONZ'16and also delivered an inspiring speech about the importance of knowing the advanced Technologies such as Big Data and Internet of things. More than ten events such as Paper Presentation, Web Designing, Gaming, Photography, Surprise Events, Adzap, Coding& Debugging and Workshop (Python) were organized for students. Winners of all events were selected and awarded with cash prizes. Finally, The program was ended with the vote of thanks by Dr.S.Soundararajan, VicePrincipal, Velammal Institute of Technology.

From left: Dr.T.Chandrashekar, Principal-Velammal I Tech, Mr. T. Anand, Senior Technical Manager -TCS, Ms.S.Selvakanmani, HOD/CSE and Ms S.Nalini AP/CSE

11.We organized a Guest Lecture on the subject "Database Management System " from Computer Society of India Student Chapter on September 23,2016 for II CSE students.It was organized by Mrs. N. R.Rejin Paul, Asst.Prof,Ms. S. Nalini, Asst.Prof .Theresource person is Mr. S. Soundararjan,Vice-Principal,Velammal Institute of Technology, Chennai.He covered various topics like Normalization ,1NF,2NF,3NF,4NF,5NF are covered and the concepts were explained in detail.

12..We organized a Guest Lecture on the subject "Cryptography and Network Security " from Computer Society of India Student Chapter on September 27,2016 for IV CSE students.It was organized by Mr. R. Raja, Asst.Prof,Ms.R. Chitra,Asst.-Prof,Mrs.Anila Glory,Asst Prof.The resource person is Dr.Daya,Associate Professor,Velammal Engineering College, Chennai.She covered various topics like MD5,SHA,DS,FIREWALL and the concepts were explained in detail.

13. We organized a Guest Lecture from Computer Society of India Student Chapter on September 29, 2016 for "Theory of Computation" for III CSE Students. The resource person is Mr.Rajesh Kumar,Assistant Professor,CSE. He covered various topics like Universal Turing Machine,Tractable and non-Tractable problems,P and NP Complete problems were covered and doubts were cleared during the session. Students felt that this was useful for their exam point of view.

GUEST LECTURE ON THEORY OF COMPUTATION

INFOSYS CAMPUS CONNECT PROGRAM

FOUNDATION PROGRAM

We conducted a FP 4.1 Phase II Training Program on from 22-06-16 to 29-06-16. It was organized by Dr. Soundararajan, Vice Principal & SPOC. The subjects to be trained are RDBMS –Relational Database Management System and Web Technology.The course delivered by Mr. L. Maria Michael Visuwasam (WT), Mr. K. Balachander (WT), Mrs. Pranamita Nanda (WT), Mr. N. R.Rejin Paul (WT), Dr. Sugumar, (DBMS), Mrs.Tamilarasi, AP(DBMS),

Mr. R. Raja (DBMS), Mrs. Chitra (DBMS).
The targeted audience are **CSE, IT Students.**The number of batches allotted are 2 The outcome of the Phase-II training is to complete the two courses and make the students to understand the concepts and make them to focus on applying the concepts with assignments.131 Students attended the Phase II test and cleared it.

STUDENT ACHEIVEMENTS

STUDENTS CO-CURRICULAR ACTIVITIES

· **Dhivya.R, Kavya Shri, R.Purusothaman of** II-CSE **participated in Symposium/KANOTIX 2k16-QUIZINE** event held at Sri Ram Engineering College on 4-8-2016.

· **Palaniappan,.M, Senthil Kumar.M A. Hari Haran,** of II-CSE participated in **Symposium/KANOTIX 2k16/ Paper Presentation** event held at Sri Ram Engineering College on 4-8-2016.

· **Kaviyashree.B, Dhivya .R** of II-CSE participated in Symposium/KANOTIX 2k16 / Paper Presentation event held at Sri Ram Engineering College on 4-8-2016.

· **Dhinesh Kumar .S of** II-CSE participated in **Symposium/ TECH-FUGO-Paper Presentation** event held atAgni College of Engineering on 6-8-2016.

· **Manju , Siji, Sahana, Nisha of** II-CSE participated in **Symposium/ SINTAC'16/ Paper Presentation** event held at Sri Sai Ram Institute of Technology on 9-8-2016.

· **Bhavani .T.M, Bhavani .T.M, Anadhini.A, Divya.R of** II –CSE participated in Symposium/ OZMENTA 2k16/Workshop /dynamic web development Event held at Velammal Engineering College on 26-8-2016

· **Siddharth Menon, Dinesh Kumar .S of** II-CSE participated in **Symposium/ JEPHYR'16/Paper Presentation** event held at J.N.N Institute of Engineering on 13-8-2016.

· **Athithyan of III CSE** won the **NASSCOM TECHNOLOGY EXPLORE (NTE),** First Runnerup award, Conducted by NASSCOM TECHNGAGE ON 11th June 2016 at Chennai.

NASSCOM TECHNO LOGY EXPLORE (NTE)

· **Divya.S, Nisha . M.P of** II-CSE won First Prize **in Symposium/ SINTAC'16/ Surprise Event** held at Sri Sai Ram Institute of Technology on 9-8-2016.

· **Dinesh Kumar .S of** II-CSE won First Prize **in Symposium/ JEPHYR'16/Bug Catcher** Event held at J.N.N Institute of Engineering on 13-8-2016.

· **Dinesh Kumar .S of** II-CSE won First Prize **in Symposium/ JEPHYR'16/Bug Catcher** Event held at J.N.N Institute of Engineering on 13-8-2016.

· **Dinesh Kumar .S of** II-CSE won First Prize **in Symposium/ JEPHYR'16 / Paper Presentation Event** held at J.N.N Institute of Engineering on 13-8-2016.

· **Akash Kumar . A.D of** II-CSE won First Prize **in Symposium/ NAKSHATRA'16-Gaming** Event held at S.A. Engineering College on 26-8-2016.

· **C. Siddharth of** II-CSE won Second Prize **in Symposium/ INFOSPARKZ'16/ Paper presentation** Event held at Sri Sai Ram Engineering College on 26-8-2016.

· **V. P. Sikhandini, Poornima.K, Soujanya of** II –CSE won Second Prize in Symposium/ XPLORE'16-Fortitudo-stress interview.

· **Poornima. K, Soujanya** of II –CSE won Second Prize in **Symposium/ XPLORE'16/ Treasure hunt event held at Loyola-ICAM on 27-9-2016**

Dr. Kalam Young Achiever Award 2016

· **Ms. Meghana Chandrashekar & Ms. Preetha**, III –CSE won the **"Dr. Kalam Young Achiever Award 2016"** at Anna University, Chennai on 15.10.2016.

· **Ms. Meghana Chandrashekar,** III year CSE Dept, awarded as the **"Best Zonal Coordinator - Thiruvallur District" by Thiru K. Pandiarajan, Honorable Minister for School Education, Sports and Youth Welfare at Anna University,** Chennai on 15.10.201

Dr. Kalam Young Achiever Award 2016

INDUSTRIAL VISIT

August 8th, 9th, 10th 2016, Students of III year went for industrial visit to IANT, Alsa Towers, Chetpet accompanied by Mr. R. Raja,AP, Mr. Rajesh Kumar, AP, Mr. K. Balachander, AP, Mrs. .S. Ashwarys, AP, Mrs .A. V. Kalpana, AP,Mrs. Pranamita Nanda to know about cryptographic techniques and Ethical hacking. We learned about the techniques used in cryptography and hacking. This kind of practical exposure is enhancing our student's talents and skills.

On August 31, 2016 `and September 1, 2016 . Students of II year went for industrial visit to Reserve Bank Of India,Chennai accompanied by Ms. Anila Glory, AP, Ms. R. Chitra, AP, Mr. N.R. Rejin Paul, AP , Mr. Manickavasagam, AP.

The Student's feesback about Industrial Visit-It was very useful and the in charge of RBI described about our Indian Banking Strategies and our country financial Status. We learned about transaction process in our field and how computer application is applied in these field .They can learn more practical knowledge of their core.

FACULTY ACHEIVEMENTS

JOURNAL PUBLICATIONS

Dr. R. Sugumar, Prof published a paper titled **"Conditional Entropy with Swarm Optimization Approach for Privacy Preservation of Datasets in Cloud"** in Indian Journal of Science and Technology Vol 9, Issue No 28, July 2016, pp.1-6.[Impact Factor: 0.68, Indexed by Scopus, EBSCO].

Mr. L. Maria Michael Visuwasam, AP, published a paper titled **"Virality and centrality analysis in social networks"** in AJBAS Vol. 10, Issue No. 10 pp. 229-236, June 2016.

Ms. Selvakanmani HOD/CSE published a paper titled **"Dual channel sensing method using opportunistic spectrum access for CRN"** in Advances in Natural and Applied Science Vol. 10, Issue No. 12, pp. 28-37, August 2016.

Ms. Tamilarasi AP, published a paper titled **"Alert Message Transfer between mobile Nodes for Healthcare"** in Advances in Natural and Applied Science Vol. 10, Issue No 11, pp. 158-166, July 2016.

Ms. Kalpana AP, published a paper titled **"Secure 3-D localization in wireless sensor networks"** in Advances in Natural and Applied Science Vol. 10, Issue No 12, pp. 158-166, September 2016.

Mr.J. Praveen Chander, AP, published a paper titled **"An improved resource allocation mechanism in cloud environment"** in Advances in Natural and Applied Science Vol. 10, Issue No 13, pp. 158-166, October 2016.

INFOSYS BRONZE AND SILVER MEDAL

· **Mr. L. Maria Michael Visuwasam, AP,**awarded as Silver medal in Infosys Campus Connect Program at Mahindra Infosys,Chennai on 29-6-2016.

· **Ms. Kalpana AP,** awarded as bronze medal in Infosys Campus Connect Program at Mahindra Infosys,Chennai on 29-6-2016.

· Mr.K.Balachander, AP, awarded as bronze medal in Infosys Campus Connect Program at Mahindra Infosys,Chennai on 29-6-2016.

· **Mr. S. Aishwarya, AP,** awarded as bronze medal in Infosys Campus Connect Program at Mahindra Infosys,Chennai on 29-6-2016.

FDP / WORHSHOP-ORGANIZED / ATTENDED

From left: Mrs. M. Suchitra, HOD/IT, Dr. T. Chandrashekar, Principal-Velammal I Tech, Mr. A. Kannan,Professor, Anna University, Mrs.S.Selvakanmani, HOD/CSE.

The Training programme on Bigdata analytics sponsored by Department of Science & Technology, Government of India was organized for 10 days by the Department of Computer Science and Engineering and Department of Information technology. It has given a platform for academicians, researchers, students and professionals from the industry to elevate themselves in the research and exchange their ideas in the field of Computer science and Engineering and Information Technology.

The Training program began on 27th April 2016 with an inaugural function graced by the chief guest, Professor Mr. C. R. Rao,Dept of CS, University of Hyderabad under the august presence of Shri K. Razak, Advisor, Velammal Institute of Technology Dr. T. Chandrashekar, Principal, Velammal Institute of Technology, Dr. S. Soundararajan, Vice Principal, Velammal Institute of Technology, Dr. R. Sugumar, Professor,Dept of Computer Science and Engineerin gand Dr B. Murugeshwari, Professor IT, Velammal Institute of Technology. The Programme came to a close on 7th May 2016 with a Valedictory function. The function started with a prayer. Professor. A. Kannan Department of Science and technology, Anna University was the Chief guestfor the valedictory function. Professor. A. Kannan has a rich academic experience of 27 years. He did his Doctorate at Anna University in the year 2000. The Programme Convener, Asst Professor S. Selvakanmani of CSE gave the welcome address, The Programme was coordinated by Dr. R.Sugumar, Professor Department of CSE, Dr. B. Murugeshwari, Professor Department of IT, Mrs. M. Suchithra HOD/IT, and Mr. Maria Michael visuwasam HOD/CSE. There were many research scholars PG students and faculty members of various Engineering Institutions who took active participation.

All the sessions were very interesting and the participants were much eager to learn the importance of big data analytics. Dr. T.ChandraShekar, Principal, Velammal Institute of Technology gave a motivational speech on the need of learning bigdata during the valedictory programme. He stated the gap between the technology and the learners should be skill based and learn the innovativeness of the recent technology. He Congratulated the Dept. of CSE & IT for their initiative & motivated the departments to conduct more of such programmes. In the valedictory address Professor A.Kannan stated the importance of data in this fast growing world and insisted the importance in organizing those data in a proper manner.He explained the difficulties in retrieving those data in a faster way. Finally, Asst Professor M. Suchithra Head, Department of Information Technology gave the vote of thanks. She Summed up the 10 days Programme and thanked all the participants who took great effort in attending all the sessions and making the programme a grand success.

The Principal and The Chief guest distributed the certificates to all the faculty members and research scholars. The Programme overall was the feather in the cap and it was a milestone and there will be many on the way to come.

The Department is always known for giving its quality education and making the students learn through practical training. This will be continued in the years to come with more number of workshops and conferences which tunes the intuitive minds of the younger generation.

FDP ATTENDED

- Mr. K. Balachander AP attended a FDP on " Graph Theory and applications " in Velammal Engineering College, Chennai on 13-6-2016 to 15-6-2016.

- Mr. N. R Rejin Paul attended a Faculty Enablement Program on Foundation Program 4.0 / Infosys campus connect in Infosys Chennai on 2-9-2016.

GUEST LECTURE / SEMINAR ORGANIZED/ATTENDED

- Mrs. S. Selvakanmani HOD / CSE attended a NAAC awareness seminar / training programme on quality system in higher education at Anna University, Chennai from 29-9-2016 and 30-9-2016.

PLACEMENT

NO. of Students Eligible	: 114
No.of Student Placed	: 69
Placement Percentage	: 60.52%
No.of Single Offer	: 47
No. of Double offer	: 15
No.of Triple Offer	: 8

S.No	Name	Organization	SALARY(Rs.)
1.	S. Shasedharan	ZOHO Corporation	6.5 Lakhs P.A
2.	K. Naveen Raj		
3.	G. Praiselin Lydia		
4.	S. Lakshmi Anusha	Kaar Tech	5.5 Lakhs P.A
5.	A. Sharan	Excellacom	3.5 Lakhs P.A
6.	V. Karishma	Solaritis	3.3 Lakhs P.A
7.	V. Prasanth		
8.	R. Jayathilaga	Vernalis	
9.	S. Sai Meera	Voonik	12.0Lakhs P.A
10.	S. Subalakshmi Shanthosi	Amazon	12.0Lakhs P.A
11.	J. Abhishe k	Sirius Comp Solutions	6.0 Lakhs P.A
12.	Pavithra K	Think& Learn	6.0 Lakhs P.A
13.	Sreelakshmi R		
14.	Sandhya S		
15.	T. Jerusha Ruth Christina		
16.	R. Nijanthan balaji		
17.	Anandhi T	WIPRO	3.2 Lakhs P.A
18.	Angelin A		
19.	Bhakyalashmi R		
20.	Geetha Varsha K C		
21.	Jayathilaga R		
22.	Jothi Shree T V		
23.	Kanaka M		
24.	Kayalvizhi T		
25.	Keerthana T		
26.	Lakshmi Priya S		
27.	Manu Nandhan M		
28.	Nithya V		
29.	Pavithra K		
30.	Priyadarshini K		
31.	Sandhiya R		
32.	Sowndariya D		
33.	Sreelakshmi R		
34.	Subathra S		
35.	Thara devi P		
36.	Vaishnavi R		
37.	Vanmathi R		
38.	Aarthi R	CTS	3.5 Lakhs P.A
39.	Angelin A		
40.	Anitha W		
41.	Archana D		
42.	Geetha Varsha K C		
43.	Jayathilaga R		
44.	.Jothi Shree T V		
45.	Karthika S		
46.	Kayalvizhi T		
47.	Keerthana B		
48.	Lakshmi Priya S		
49.	Madhan kumar V		
50.	Maha Lakshmi G		
51.	Manikandan S		
52.	Manu Nandhan M		
53.	Nithya V		
54.	Pavithra K		
55.	Pavithra S		
56.	Priya K		
57.	Santheya E		6.5 Lakhs P.A
58.	Sharmily R		
59.	Sindhujakomalam A		
60.	Sorna Lakshmi V		5.5 Lakhs P.A
61.	Subathra S		3.5 Lakhs P.A
62.	Sunderrajan R		3.3 Lakhs P.A
63.	Tamilselvi R		
64.	Thanuja priyadharshini P		
65.	Thara devi P		12.0Lakhs P.A
66.	Usha R		12.0Lakhs P.A
67.	Vanmathi R		6.0 Lakhs P.A
68.	Vemareddy Sai Swetha		
69.	Vigneshwar N S		
70.	Vinodh kumar K	INFOSYS	
71.	Prasanna Venkatesh R		6.0 Lakhs P.A
7 2	Anitha W		3.5 Lakhs P.A
73.	Geetha Varsha K C		
74.	Kayalvizhi T		3.2 Lakhs P.A
75.	Keerthana T		
76.	Maha Lakshmi G		
77.	Manu Nandhan M		
78.	Sabarish Narashiman		
79.	Sorna Lakshmi V		
80.	Sreelakshmi R		
81.	Subashini Jaganathan		
82.	Subathra S		
83.	Sunderrajan R		
84.	Thanuja priyadharshini P		
85.	Thara devi P		
86.	Vethavalli Tamilrasu		

S.No	Name	Organization	SALARY(Rs.)
87.	Vigneshwar N S		
88.	Javvaji Venkataramaiah	HTC Global	3.6 Lakhs P.A
89.	J.Princess Pradeepa	ZOHO Corporation	4.6 Lakhs P.A
90.	T.Kugapriyan		
91.	M.Namrutha		

S.No	Name	Organization	SALARY(Rs.)
92.	P.Barani Rahul		
93.	R.Swetha Shree		
94.	B.H.Swaroop kumar		
95.	A.S.Vanaja	Kaar Tech	4.0 Lakhs P.A
96.	P.D.Maruthi	Excellacom	

TECHNOLOGY FORUM

New Programming Language Presented

S. Selvakanmani, Asst. Professor
Department of computer Science and Engineering
Velammal Institute of technology

ABSTRACT

In today's computer chips, memory management is based on what computer scientists call the principle of locality: If a program needs a chunk of data stored at some memory location, it probably needs the neighboring chunks as well.

But that assumption breaks down in the age of big data, now that computer programs more frequently act on just a few data items scattered arbitrarily across huge data sets. Since fetching data from their main memory banks is the major performance bottleneck in today's chips, having to fetch it more frequently can dramatically slow program execution.

This week, at the International Conference on Parallel Architectures and Compilation Techniques, researchers from MIT's Computer Science and Artificial Intelligence Laboratory (CSAIL) are presenting a new programming language, called Milk, that lets application developers manage memory more efficiently in programs that deal with scattered data points in large data sets.

In tests on several common algorithms, programs written in the new language were four times as fast as those written in existing languages. But the researchers believe that further work will yield even larger gains.

The reason that today's big data sets pose problems for existing memory management techniques, explains Saman Amarasinghe, a professor of electrical engineering and computer science, is not so much that they are large as that they are what computer scientists call "sparse." That is, with big data, the scale of the solution does not necessarily increase proportionally with the scale of the problem.

"In social settings, we used to look at smaller problems," Amarasinghe says. "If you look at the people in this [CSAIL] building, we're all connected. But if you look at the planet scale, I don't scale my number of friends. The planet has billions of people, but I still have only hundreds of friends. Suddenly you have a very sparse problem."

Similarly, Amarasinghe says, an online bookseller with, say, 1,000 customers might like to provide its visitors with a list of its 20 most popular books. It doesn't follow, however, that an online bookseller with a million customers would want to provide its visitors with a list of its 20,000 most popular books.

Thinking locally

Today's computer chips are not optimized for sparse data -- in fact, the reverse is true. Because fetching data from the chip's main memory bank is slow, every core, or processor, in a modern chip has its own "cache," a relatively small, local, high-speed memory bank. Rather than fetching a single data item at a time from main memory, a core will fetch an entire block of data. And that block is selected according to the principle of locality.

It's easy to see how the principle of locality works with, say, image processing. If the purpose of a program is to apply a visual filter to an image, and it works on one block of the image at a time, then when a core requests a block, it should receive all the adjacent blocks its cache can hold, so that it can grind away on block after block without fetching any more data.
But that approach doesn't work if the algorithm is interested in only 20 books out of the 2 million in an online retailer's database. If it requests the data associated with one book, it's likely that the data associated with the 100 adjacent books will be irrelevant.

Batch processing

Milk simply adds a few commands to OpenMP, an extension of languages such as C and Fortran that makes it easier to write code for multicore processors. With Milk, a programmer inserts a couple additional lines of code around any instruction that iterates through a large data collection looking for a comparatively small number of items. Milk's compiler -- the program that converts high-level code into low-level instructions -- then figures out how to manage memory accordingly.

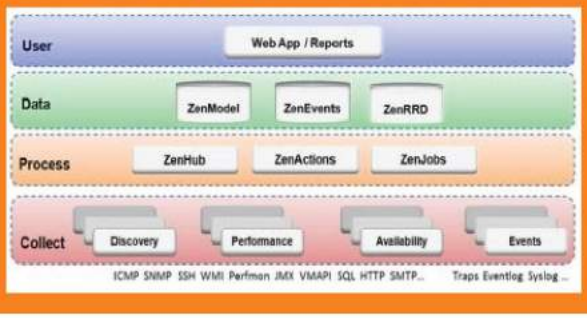
With a Milk program, when a core discovers that it needs a piece of data, it doesn't request it -- and a cacheful of adjacent data -- from main memory. Instead, it adds the data item's address to a list of locally stored addresses. When the list is long enough, all the chip's cores pool their lists, group together those addresses that are near each other, and redistribute them to the cores. That way, each core requests only data items that it knows it needs and that can be retrieved efficiently.
That's the high-level description, but the details get more complicated. In fact, most modern computer chips have several different levels of caches, each one larger but also slightly less efficient than the last. The Milk compiler has to keep track of not only a list of memory addresses but also the data stored at those addresses, and it regularly shuffles both around between cache levels. It also has to decide which addresses should be retained because they might be accessed again, and which to discard. Improving the algorithm that choreographs this intricate data ballet is where the researchers see hope for further performance gains.

ZENOSS CORE

Zenoss (Zenoss core) is an open source application, server and network management platform based on the zope application server. Released under the GNU general public license (GPL) version 2, Zenoss core provides a web interface that allows system administrators to monitor availability inventory / configuration, performance and events The Zenoss system provides full stack coverage of networks, servers, applications ,services, and virtualization .Functionality ,it provides complete operational awareness by combining discover and inventory ,availability and performance monitoring ,event management and reporting

WHY ZENOSS CORE?

Zenoss core is a capable open source monitoring solution at no cost. There is Zenoss Enterprise Edition available at a price with more features, including WMI performance monitoring. Before Zenoss, WMI is used to monitor windows servers and desktops for quite a while, but the challenge for WMI has always been finding a good interface to create reports, graphs, monitors alert on threshold ,etc. Zenoss core to monitor several key performance counters from windows servers such as CPU utilization, memory paging and usage.



BENEFITS

- It helps in faultless and quick discovery of all devices like servers ,clients and os.
- It threshold monitors the changes in network level and can issue an alert when network configuration changes.
- Event management tools to annotate system alerts

R.VANMATHI, FINAL YEAR CSE.

VIRTUAL REALITY IN 2016

In 2001, SAS3 or SAS Cube became the first PC based cubic room, developed by Z-A Production (Maurice Benayoun, David Nahon), Barco, Clarté, installed in Laval France in April 2001. The SAS library gave birth to Virtools VRPack. By 2007, Google introduced Street View, a service that shows panoramic views of an increasing number of worldwide positions such as roads, indoor buildings and rural areas. It also features a stereoscopic 3D mode, introduced in 2010. In 2010, Palmer Luckey, who later went on to found Oculus VR, designed the first prototype of the Oculus Rift. This prototype, built on a shell of another virtual reality headset, displayed only 2-D images and was noticeably cumbersome to wear. However, it boasted a 90-degree field of vision that was previously unseen anywhere in the market at the time. This initial design would later serve as a basis from which the later designs came.

In 2013, Nintendo filed a patent for the concept of using VR technology to produce a more realistic 3D effect on a 2D television. A camera on the TV tracks the viewer's location relative to the TV, and if the viewer moves, everything on the screen reorients itself appropriately. "For example, if you were looking at a forest, you could shift your head to the right to discover someone standing behind a tree."In July 2013, Guild Software's Vendetta Online was widely reported as the first MMORPG to support the Oculus Rift,making it potentially the first persistent online world with native support for a consumer virtual reality headset. Since 2013, there have been several virtual reality devices that seek to enter the market to complement Oculus Rift to enhance the game experience. One, Virtuix Omni, is based on the ability to move in a three dimensional environment through an unidirectional treadmill.

VIRTUAL REALITY IN 2016

In February–March 2015, HTC partnered with Valve Corporation announced their virtual reality headset HTC Vive and controllers, along with their tracking technology called Lighthouse, which utilizes "base stations" mounted to the wall above the user's head in the corners of a room for positional tracking of the Vive headset and its motion controllers using infrared light. The company announced its plans to release the Vive to the public in April 2016 on December 8, 2015.Units began shipping on April 5, 2016.
In July 2015, OnePlus became the first company to launch a product using virtual reality. They used VR as the platform to launch their second flagship device the OnePlus 2, first viewable using an app on the Google Play Store,then on YouTube.The launch was viewable using OnePlus Cardboard, based on the Google's own Cardboard platform. The whole VR launch had a runtime of 33 minutes, and was viewable in all countries. Also in 2015, Jaunt, a startup company developing cameras and a cloud distribution platform, whose content will be accessible using an app, reached $100 million in funding from such sources as Disney and Madison Square Garden. On April 27, 2016, Mojang announced that Minecraft is now playable on the Gear VR. Minecraft is still being developed for the Oculus Rift headset but a separate version was released to the Oculus Store for use with the Gear VR. This version is similar to the Pocket Edition of Minecraft.`

VIRTUAL REALITY

R.SHARMILY
IV YR-CSE

INTRODUCTION

Virtual reality (VR) is a computer technology that uses software-generated realistic images, sounds and other sensations to replicate a real environment or an imaginary setting, and simulates a user's physical presence in this environment to enable the user to interact with this space. A person using virtual reality equipment is typically able to "look around" the artificial world, move about in it and interact with features or items that are depicted. Virtual realities artificially create sensory experiences, which can include sight, touch, hearing, and, less commonly, smell. Most 2016-era virtual realities are displayed either on a computer monitor, a projector screen, or with a virtual reality headset (also called head-mounted display or HMD). HMDs typically take the form of head-mounted goggles with a screen in front of the eyes. Some simulations include additional sensory information and provide sounds through speakers or headphones.

Some advanced haptic systems in the 2010s now include tactile information, generally known as force feedback in medical, video gaming and military applications. Some VR systems used in video games can transmit vibrations and other sensations to the user via the game controller. Virtual reality also refers to remote communication environments which provide a virtual presence of users with through telepresence and telexistence or the use of a virtual artifact (VA), either through the use of standard input devices such as a keyboard and mouse, or through multimodal devices such as a wired glove or omnidirectional treadmills. The immersive environment can be similar to the real world in order to create a lifelike experience—for example, in simulations for pilot or combat training, which depict realistic images and sounds of the world, where the normal laws of physics apply, or it can differ significantly from reality, such as in VR video games that take place in fantasy settings, where gamers can use fictional magic and telekinesis powers.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All We Need

[Verse 1]

I used to be the failed one
But I'm not the only one
Many people laughed at me
But, now they're starin' at me

[Verse 2]

She left me all alone in the
Middle of the ocean
Where I was standing alone
I was sailing in the ocean of my tears
Where I couldn't resist my fears

[Chorus]

All we need is to forget the past
All we need is to just go fast
All we need is to aim for the high
All we need is to reach for the sky

All we need is to say goodbye to haters
All we need is to blow our problems
All we need is to wash out our scars
All we need is to shine like the stars

All we need is to live the moment!

[Verse 3]

I used to be the hidden treasure
Where nobody was willing to hear
The things I've sacrifice,
Became my harder ones

[Verse 4]

She hit me hard with her love and affection
Baby, I want you to come
All of the sudden I woke up in a fright
I wish everything's alright

[Chorus]

By,
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Sai Vignesh, CSE III year
Vignesh. D, CSE III year
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