September 2010
Issue #25

ISHARE

Monthly Magazine

K.S.Rangasamy College of Arts & Science (Autonomous). Tiruchengode

Technical Forum created by students for students

Inside this issue

- Computer speak
- AltEdge
- MYSELF IN BOOK SHELF
- Placement forum
- Jargons

Lots more. Explore……

Department of Computer Science

UG(BCA & B.Sc)

PG(MCA & M.Sc)

M.Phil(CS)

EDITORIAL …

Security plays a key role in IT forever. Here in this issue we have offered security information quite briefly step by step. Lots of new technologies have been discussed with neat illustrations and campus oriented information have been incorporated to share live happenings. We have included new interesting series from this month onwards such as my class, Myself in Bookshelf, Get on net and archives. Many more useful and interesting information's are in this edition of I SHARE....

Editorial Board

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MY CLASS

Ms.Sasikala.S, M.Sc., MCA., M.Phil., PGDPM & IR.,

Lecturer,

Class Advisor : III B.Sc.(CS) 'B'

I have been a class advisor since 2008 for this class. I have totally 45 students in my class. Among them three of them possess blogspots and G.Manikandaprabhu is posting tamil kavithai and kathaigal regularly in his blog and it has been rated as top among the blogs by blog-rating website. One Artist named G.Hariharan has won state first prizes in drawing competitions. He has been known for his extraordinary talent in paintings and has published paintings in The Hindu, Dhinathanthi etc. and has been interviewed by local channels such as Aakash, Agni etc for his achievements. The College magazines such as ishare, vidiyal, infinity also posted his various paintings.. **Six of my students presented papers in national seminars held at Knack Fete' 2010, Kodaikanal christien college and two of them presented papers at NCAC'2010, DJ Academy of excellence, Coimbatore.** Among them three students have been placed in TCS in Sep 2010. And as of now and many of them submitted papers for national level seminars and they are under review process. Four of my students participated in symposium. R.Vivek of my class has been certificated C Cadre in NCC which is the highest ranking position in NCC. Another student T.Chandrasekar, is a university cricket player and he has participated in many state level tournaments. Sheriff and Arif are possessing excellent skills in hardware assembling and trouble shooting and have completed appropriate courses for that. N.Sivanandan of my class possesses

First Dan Black Belt in TAE KWON DO and he played for Namakkal district football once. Having lots of talents under me guidance, I am extremely happy. All of us are having a nice learning environment with enormous resources. And I feel very happy to be a class advisor for this class.

Brain Finger Printing Technology

Author

Aniruth Patill .A
II Bsc (CS) – 'A'

This article gives information about the brain finger technology

Brain finger printing technology is based on the principle that the brain is central to all human acts. IT was invented by LAWRENCE A .FAREWELL. The Theory is that the suspects reaction to the details of an event or activity will reflect if the suspect had prior knowledge of the event or activity. This test uses what Farewell calls the MERMER (Memory and Encoding Related Multifaceted Electroencephalographic Response) response to detect familiarity reaction. One of the applications is lie detection. Dr. L. A. Fare well has invented, developed, proven and patented the technique of brain finger printing, a new computer based technology to identify the perpetrator of crime accurately and scientifically by measuring brain-wave response to crime-relevant words or pictures presented on a computer screen.

Farewell brain finger printing has proven 100% accurate in over 120 tests, including test on FBI agents, tests for a US intelligence agency and for the US Navy, and tests on real-life situations including actual crimes.

TECHNIQUE

The technique uses the well known facts that are electrical; signal known as P300 is emitted from an individual's brain beginning approximately 300 milliseconds after it is confronted with a stimulus of special significance, e.g. a rare vs. a common stimulus or a stimulus the subject is asked to cofor a comprehensive discussion of this effect.

The application of brain finger printing is to detect the P300 as a response to stimuli related to the crime or other investigated situation, e.g., a murder weapon , victim's face or knowledge of the internal working of a terrorist cell. Because it is based on EEG signals, the system does not require the subject to issue verbal responses to questions or stimuli. The person to be tested wears a special headband with electronic sensors that measure the EEG from several locations on the scalp. The subject views stimuli consisting of words, phrases or pictures presented on a computer screen. Stimuli are of three types 1) "irrelevant" stimuli that are irrelevant to the investigated situation and to the test subject, 2) "target" stimuli that are relevant to the investigated situation and are known to the subject, and 3) "probe" stimuli that are relevant to the investigated situation and that are the subject denies knowing. Probes contain information that is known only to the perpetrator and investigators and not to the general public or to an innocent suspect who was not at the scene of the crime the scientist also makes sure that the subject does not

know the probes for any reason unrelated to the crime, and that the subject denies knowing the probes. The subject is told why the probes are significant, but is not told which items are the probes and which are not irrelevant.

Since brain finger printing uses cognitive brain responses, brain finger printing does not depend on the emotions of the subject. Brain finger printing is fundamentally different from the polygraph which measure emotion-based physiological signals such as heart rate, sweating and blood pressure and does not attempt to determine whether or not the subject is lying or telling the truth. Rather, it measures the subject's brain response to relevant words, phrases or pictures to detect whether or not the relevant information is stored in the subjects brain.

By comparing the responses to the different types of stimuli, the brain finger printing system mathematically computes the determination of "information present or information absent" and a statistical confidence for the determination. This determination is mathematically computed, and does not involve the subjective judgment of the scientist. While researching the P300, Dr Farewell created a more detailed test that not only includes the P300, but also observes the stimulus response up to 1400 ms after the stimulus. He calls this brain response a MERMER, Memory and Encoding Related Multifaceted Electroencephalographic Response. According to Dr Farewell, the MERMER includes additional features involving changes in the frequency of the EEG signals, but for the purpose of signal detection and practical application the MERMER is sufficiently categorized by the P300 and the following negative components in the brain response.

KSR COLLEGE OF ARTS AND SCIENCE, TIRUCHENGODE

DEPARTMENT OF COMPUTER SCIENCE (UG)

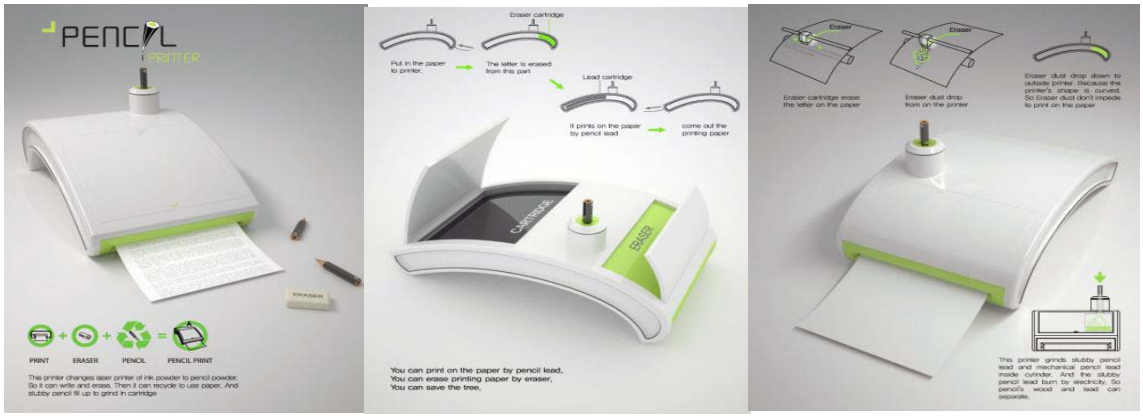
Student's participation in intellectual events in Other Colleges

S.NO	DATE	NAME OF THE COLLEGE	EVENT NAME	NAME OF THE STUDENT	WINNERS POSITION
1.	**03.09.10**	**KGISL College of Arts & Science, Coimbatore**	**Paper Presentation**	**1. Anirudh Patil.A II CS A**	**1st Place**
				2. Kanishton.S III CS A **3. Saravanan.S III CS A**	**Participated**
			Web Designing	1. Kanishton.S III CS A 2. Saravanan.S III CS A	**2nd Place**
				3. Madhanagopal.S III CS A 4. Rajiv.B III CS A	**Participated**
			Debugging	**1. Arunkumar.G III CS A** **2. Arunkumar.M III CS A**	**Participated**
			Quiz	1. Kanishton.S III CS A 2. Saravanan.S III CS A	**Participated**
			Software Testing	1. Arunkumar.G III CS A 2. Arunkumar.M III CS A	**Participated**
2	**3/09/10 & 14/09/10**	**SRM University. Chennai.**	EM_Puzzled	1.Resmy II CS A 2.Sri Vasuki II CS A	**1st Place**
			Web Design	1.J.Gnana Selvan III BCA-A 2.S.Balachandran III BCA-A	**2nd Place**
			Quiz	1.Rebecca II BCA-A 2. Vijay Vikram II	**3rd Place**

				BCA-A	
			D-Assembler	1.Abdul Jabbar Sherif.R III CS-B 2.Mohammed Arif.M III CS-B	**Participated**
			Tech-Hunt	1.Ashitha.M & Vinodhini.S III CS-A	**Participated**
			Fun with AD's	1.Aravindh.G 2.Balagurunath.S 3.Maheswaran.S III BCA-A 4.V.Padmanaban.V 5.Pravinkumar.B 6.Madheswaran.N 7.Sarchcheelan.K	**Participated**
			Debugging	1.Murali Krishnan.S II CS-A 2.Dhanapal.K II CS-A	**Participated**
3.	**17.09.10**	**Sacred Heart College, Tirupatthur**	Paper Presentation	1.Durgadevi.M III BCA-D 2.Raseena.S III BCA-D	**Participated**
			Quiz	1.Sowbarni.S 2.Durgadevi.M III BCA-D 3.Raseena.S	**3rd Place**
			Ellipses	1.Madhanagopal.S 2.Vimal Kumar.R III CS A 3.Kannan.S 4.Rajiv	**Participated**
			Marketing	1.Madhanagopal.S 2.Vimal Kumar.R III CS A 3.Kannan.S 4.Rajiv	**Participated**
4.	**17.09.10 & 18.09.10**	**Holy Cross College (Autonomous), Trichy.**	Marketing	1.Kanishton.S 2. Saravanan.S 3.Karthik III CS –A & B, 4.Vinoth Kumar II CS-A 5. Anirudh Patil.A	**Participated**

Multimedia	1. Kanishton.S III CS A 2. Saravanan.S III CS A	**2nd Place**
Paper Presentation	1.Senthil Kumar 2.Premraj	**2nd Place**
	3. Anirudh Patil.A II CS A	**Participated**
	4. Kanishton.S III CS A 5. Saravanan.S III CS A	**Participated**
	6.Rajeswarnan 7.Siva Subramaniam.B 8.Madheswaran.S 9.Rajeswaran.L 10.Tamilarasu.T } III CS-D	**Participated**
Dump Chardes	1.Anirudh Patil.A II & III CS-A 2.Aravindh.G	**Participated**
Debugger	1. Balagurunath.S 2.Maheswaran.S 3. Sarchcheelan.K } III BCA-A	**Participated**
Quiz	1.Madheswaran.N III BCA-A 2.Aravindh.G III BCA-A	**Participated**
Poster presentation	1.Vinoth Kumar III CS-B 2.Karthik III CS-B	**Participated**

DO U KNOW New arrival in hardware : Pencil Printer – a Prototype : Print your documents with a pencil! Yes, that's just what the 'Pencil Printer' is intended for!



Achievers Archives

"Knowledge Is Power"

K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Empower Prize winners

1		S.Balachandran J.Gnanaselvan	III BCA 'A'	Web designing
2		Leonard Onyango Okelo Wanjala L Nelson	II BCA 'A'	Quiz
3		N.Natarajan V.Padmanaban B.Praveenkumar	III BCA 'A'	Marketing
4		M.Farzana S.Fazila Fathima	III BCA 'A'	Debugging
5		Nandhakumar Nandhini Kumudhavalli	I CS 'A' & I BCA 'C'	Listing

Computer – Some Information

Author

Dhileepan .G
I Bsc (CS) – 'A'

This article gives information about general information regarding computer.

STORAGE	**EQUAL TO BYTES**
1 bit	0.125(0 (or) 1/ on (or) off)
1 nibble	0.5
8 bits	1
1 kilobyte	1,024
1 megabyte	1,018, 576
1 gigabyte	1,073,741,824 (over 1 billion)
1 terabyte	1,099,511,627,776(over one trillion)
1 petabyte	1,125,899,906,842,624
1 exabyte	1,152,921,504,606,846,976
1 zettabyte	1,180,591,620,717,411,303,424
1 yottabyte	1,208,925,819,614,629,174,706,176

STORAGE	APPROXIMATE EQUIVALENT
10 bytes	One word
2 kilobytes	One page of type written text
10 kilobytes	One page of a reference book
1 megabytes	A short novel
5 megabytes	The complete works of Shakespeare
100 megabytes	One meter of a book on a shelf
250 megabytes	The total output of data per year for

	every person on earth
500 megabytes	A CD-ROM
20 gigabytes	The complete work of Beethoven on CD
10 terabyte	All the printed works in the USA library of Congress (the world's largest library)
200 petabytes	Everything ever printed
5 exabytes	Every word ever spoken

AltEdge

Author

Ms.Priyanka.R
Lecturer, CS

This article gives information about the software "AltEdge".

AltEdge: Switch between Windows Without Using Alt+Tab Hotkey

While working on windows we keep opening many documents and applications. These applications remains on the taskbar and switching between them can be done through Alt+Tab hotkey combination. There are times when any of these key may not work on your system or you may not wish to press these keys every time you want to switch tasks. **AltEdge** is a small application that comes handy in these situations.

AltEdge is a small windows freeware application that automatically initiates Alt+Tab actions for you. To make this application work there are no settings, only thing you have to do is download and install it. It detects mouse gesture. That is whenever you move your mouse to the left most part of the screen the action is performed.

AltEdge application software is available at site: http://www.donationcoder.com/software/skrommel/index.html#AltEdge

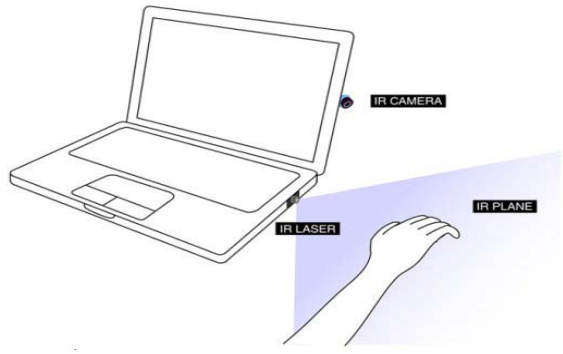
Invisible computer Mouse

Author

Ms.Gomathi. M
Lecturer, CS

This article gives information about Invisible Computer Mouse.

As the computer mouse has remained largely unchanged over the last decades, we have become increasingly proficient at operating the two-button mouse. Recently, various multitouch and gestural interaction technologies have been explored as means to implement alternative methods to interact with a computer. Despite these advances in computing hardware technologies, the two-button computer mouse has remained the predominant means to interact with a computer. The Mouseless invention removes the requirement of having a physical mouse altogether but still provides the intuitive interaction of a physical mouse that we are familiar with.



Invisible mouse – if you are tired of using the hardware mouse , now you can switch on to the invisible mouse which is the research of Pranav Mistry, Pattie Maes and Liyan Chang . A team from **MIT's Media Lab** used an **infrared laser beam** and **infrared tracking camera** to develop a system that reads the movement of a user's hand and then translates it onto the display in form of a cursor.

It is worth mentioning that the laser beam's plane is aimed slightly above the surface of the user area and after the user's hand takes the form as if it is holding a computer mouse, the beam breaks at the points where each finger comes into contact with the surface.

Afterwards the infrared tracking camera registers the movements of the hand and interprets them accordingly. The camera can identify such actions as clicking and double-clicking**.**

Currently the team is working on improving the tracking and identification algorithms in their latest invention in order to obtain a large list of different commands, which could lead in the future to multi-touch gesturing.

Password Pandemonium

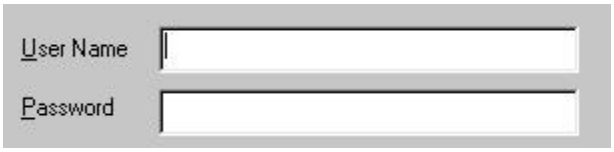
Author

M.Mahalakshmi
III Bsc-cs-"B"

This article helps to know about the password.

Password Pandemonium chaos

Never before has so much information been so accessible to so many people. In many ways the "Information Age" is a wonderful time to be alive. But as is often the case, there is a dark side. The same technology that makes it really easy to search all the knowledge of the human race also makes it possible for others to get a hold of your personal information.



When it comes to using computers and the internet we are challenged to create a plethora of ***user names and passwords*** to protect our information. But how do you make up a username and password that will be easy for you to remember but impossible for anyone else to figure out. Here's some advice:

Good Passwords and Bad Passwords? Here's a website that specifically lists "bad" passwords. http://geodsoft.com/howto/password/common.htm. If someone wanted to "crack" your password using computer software they would probably check all of these kinds of passwords first. For the

dedicated "password cracker" there are actually huge lists of common passwords available online. Here's a link to more information about how passwords are cracked:

http://geodsoft.com/howto/password/cracking_passwords.htm

So what makes for a good password? Here are some basic suggestions but in the end it will be up to you to come up with something that works for you:

1) **Avoid common names**, dates, phone numbers or things easily associated with you.

2) **Avoid common words** or phrases as they would be the first thing checked by password cracking software.

3) **Use a combination of numbers and letters**. For example, substitute numbers for letters and letters for numbers in a word or phrase.

4) **Make it something you can remember** all by yourself. Don't write it down anywhere!

5) **Don't use naturally occurring keyboard sequences** (like "qwerty" for example)

6) **Try to make it at least 8 - 16 characters long**. Obviously the longer the better.

7) **Plan on changing your password often**. Experts suggest changing your passwords at least every 6 months.

Whether it's about protecting the money in your bank account or just accessing your email online, you'll need to have good usernames and passwords to protect yourself. Choose wisely.

And if you're still having trouble coming up with a password, here's an easy to use random password generator:

Password Length: 7

This free script provided by JavaScript Kit

PRACTICE ACTIVITY: Try resetting at least one of your passwords today. Make sure you choose something you can remember.

TO KEEP ON LEARNING: Before changing all your passwords you might want to research some ideas about the most secure passwords. Try searching the internet for:

Secure passwords
Online password generators
password myths

Microsoft Vista & Windows 7

Microsoft, the largest computer software company on the planet, has been the driving force in our collective computer experience for a while. You should be aware that most of the computers in the U.S. are using a Microsoft operating system. For example Windows XP, the most common operating system, is now several years old and the folks at Microsoft have

been pushing it's replacement, ***Vista***, since January of 2007. Originally Microsoft had planned to release Vista in the summer of 2006 but that was delayed by some security problems. If you'd like to learn more and see some marketing information about it click on the image and link below:

http://www.microsoft.com/windows/windows-vista/

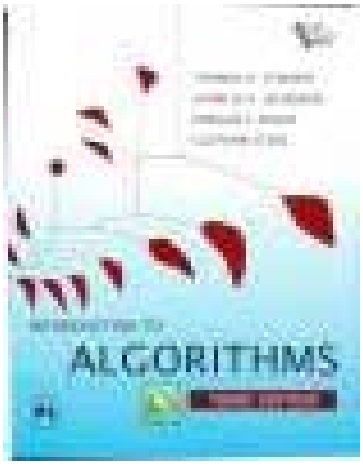
There has been a lot of criticism of Windows Vista and considerable hesitation to adopting the new operating system. Microsoft has been working on it's replacement which is currently names Windows 7 which was released in October of 2009.

The Association for Computing Machinery is founded

The world's oldest computing society, the Association for Computing Machinery, is founded. With more than 80,000 members today, ACM organizes conference and educational workshops to exchange information on technology.It happened in September 15, 1947

"MY SELF IN BOOKSHELF"

Name : Introduction to Algorithms
Author : Thomas H.Corman



Myself "Introduction to algorithms", possess a lot of knowledge regarding the algorithms. I have been written by Thomas H. Corman, Charles E. Leiserson, Ronald L. Rivest and Cliffard Stein. I am the third edition with latest updates and released on 2010. My Knowledge repository contains details regarding Divide and Conquer algorithms, Heap Sort, Quick Sort, Sorting in linear Time, Medians and order statistics and Hashtables, B & T, Redblack trees and I possess amortized analysis regarding algorithms. I also contain the advanced data structure details such as Fibonacci heaps, Van Boas trees, Data structure for disjoint sets. Some interesting topics which I hold are Number Theoretic algorithms and Computational Geometry. Hope will meet soon and I'm waiting with lots of knowledge to be shared with you.

-

Get On Net

Author

Ms.Priyanka.R
Lecturer, CS

This article gives information some useful websites and she gave some recommendations based on her own experience. This might be a knowledge pool for students.

WHAT COMPUTER SCIENCE STUDENTS NEED TO KNOW? HTTP://WWW.KEGEL.COM/ACADEMY/GETTING-HIRED.HTML
Interview Questions and Answers :
http://faq.programmerworld.net/career/interview/50-common-interview-questions-and-answers.html
C Aptitude Questions and Answers :
http://techpreparation.com/aptitute-questions/c-aptitude-question1.htm
'C' Language Aptitude Test Paper :
http://placementpapers.net/helpingroot/files/C-Language-Aptitude-Test-Paper-By-Placementpapers.net_.pdf?B1=Download+Full+Paper+Here%21
Aptitude Questions for C, C++, JAVA can be downloaded here : http://www.yuvajobs.com/aptitude-questions.asp
common-interview-questions-and-answers : http://faq.programmerworld.net/career/interview/50-common-interview-questions-and-answers.html
Interview Questions Answers : It consists of
➢ Interview Questions: Work History

➢ Job Interview Questions About You
➢ Job Interview Questions About the New Job and the Company
➢ Interview Questions: The Future
➢ Specific Job Interview Questions based on the categories
http://jobsearch.about.com/od/interviewquestionsanswers/a/interviewquest.htm
www.**aptitude**coach.com/.../**aptitudequestions**.../technical-interview-**questions**.doc
An unique site which contains questions and answers : http://www.allinterview.com/
Jobzing is a site for **Aspiring Professionals** which helps in the preparation for interview : http://www.jobzing.com/preparation-for-an-interview/
http://www.quintcareers.com/interview_question_database/
***PrepareFor*Job site –** contains questions and answers for the technical papers http://prepareforjob.com/index.aspx
Solved question papers : http://isbigdeal.blogspot.com/2010/08/latest-gk-general-knowledge-question.html
Links of some frequently asked Interview Questions based on IT companies
TCS http://www.geekinterview.com/Global-Interview-Questions/TCS
http://www.coders2020.com/interview/tcs_interview_questions
My TCS Interview Experience:http://placementpapers.net/helpingroot/node/47

September 5, 1980

The last IBM STRETCH supercomputer is shut down

IBM STRETCH console

The last IBM 7030, or STRETCH, mainframe computer is decommissioned at Brigham Young University. STRETCH was the result of an intensive R&D project started at IBM in 1955. The goal: build a super-computer 100 to 200 times as powerful as anything yet built. The premier customer: Los Alamos Scientific Laboratory (run by the Atomic Energy Commission), which was designing atomic weapons.

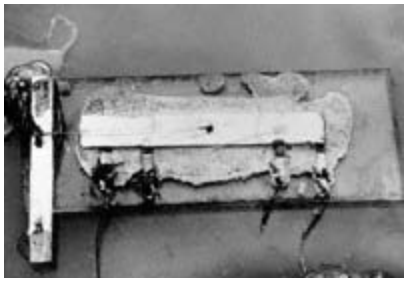
September 9, 1945

First instance of actual computer bug being found.

At 3:45 p.m., Grace Murray Hopper records the first computer bug in her log book as she worked on the Harvard Mark II. The problem was traced to a moth stuck between a relay in the machine, which Hopper duly taped into the Mark II's log book with the explanation: First instance of actual computer bug being found.

Kilby integrated circuit

September 12, 1958



Successful test of the first integrated circuit

Jack Kilby successfully tests the first integrated circuit at Texas Instruments to prove that resistors and capacitors could exist on the same piece of semiconductor material. His circuit consisted of a sliver of germanium with five components linked by wires. Along with Bob Noyce, he is considered the inventor of the integrated circuit (IC).

September 25, 1989

IBM Announces "Micro Channel Architecture."

IBM announces plans to develop a new design for transmitting information within a computer, called Micro Channel Architecture, which it said could transfer data at 160 million bytes per second or eight times faster than the fastest speed at the time. Although IBM was hoping to make its system the industry standard, manufacturers of IBM-compatible computers largely chose other methods.

September 29, 1994

HotJava Demonstrated at Sun Microsystems

Programmers first demonstrated the HotJava prototype to executives at Sun Microsystems Inc. A browser making use of Java technology, HotJava attempted to transfer Sun's new programming platform for use on the World Wide Web. Java is based on the concept of being truly universal, allowing an application written in the language to be used on a computer with any type of operating system or on the web, televisions or telephones.

Ishareopedia

USB

Short for **U***niversal* **S***erial* **B***us*, an external bus standard that supports data transfer rates of 12 Mbps. A single USB port can be used to connect up to 127 peripheral devices, such as mice, modems, and keyboards. USB also supports *Plug-and-Play* installation and *hot plugging*.

Starting in 1996, a few computer manufacturers started including USB support in their new machines. It wasn't until the release of the best-selling iMac in 1998 that USB became widespread. It is expected to completely replace serial and parallel ports.

S.No	Terms Explanation
01	***AAA: "Authentication Authorization and Accounting***", are the three primary services that provide a network security and a record of user activity by identifying who the user is, what the user can access, and what services and resources the user is using when they make a connection with a server. Examples of the services a user may be trying to access are dial up access to Internet, e-commerce, or mobile internet devices.
02	***Fragmentation*:** Fragmentation is the process of storing a data file in several "chunks" or fragments rather than in a single contiguous sequence of bits in one place on the storage medium.
03	***Troubleshooting*** is the process of diagnosing the source of a problem. It is used to fix problems with hardware, software, and many other products.
04	***Bug*** - a programming error that causes a program to behave in an unexpected way.
05	***802.11a*** is a Wi-Fi standard developed by the IEEE for transmitting data over a wireless network. It uses a 5 GHz band and allows data to be transferred up tp 54 Mbps.
06	***Refresh Rate*** Computer monitors often have a "maximum refresh rate" listed in their technical specifications. This number, measured in hertz (Hz), determines how many times the screen is redrawn each second. Typical refresh rates for CRT monitors include 60, 75, and 85 Hz. Some monitors support refresh rates of over 100 Hz.
07	***Clock Rate (MHz)*** - The instruction processing speed of a computer measured in millions of cycles per second (i.e., 200 MHz).
08	***Ad Hoc Network*** refers to a network connection established for a single session and does not require a router or a wireless base station.

09	***IVR (Interactive Voice Response)*** **IVR** is a telephony technology that can read a combination of touch tone and voice input. It gives users the ability to access a database of information via phone.
10	***Sync*** "Sync" is short for synchronize. When you sync a device, such as a cell phone, PDA, or iPod, you synchronize it with data on your computer. This is typically done by connecting the device to your computer via a USB or wireless Bluetooth connection.
11	***Throughput*** refers to how much data can be transferred from one location to another in a given amount of time. It is used to measure the performance of hard drives and RAM, as well as Internet and network connections.
12	***Access Point*** provides wireless access to a network. Devices connected to an access point can communicate with other devices on the network
13	***Hackers:*** While this term originally referred to a clever or expert programmer, it is now more commonly used to refer to someone who can gain unauthorized access to other computers. A hacker can "hack" his or her way through the security levels of a computer system or network.
14	A ***zettabyte*** is 2 to the 70th power, or 1,180,591,620,717,411,303,424 bytes. A zettabyte is 1,024 exabytes and precedes the yottabyte unit of measurement.
15	***Del.icio.us,*** pronounced simply "delicious," is a community bookmarking website in which users can save Web pages they find and share them with other users. Because users' bookmarks are made public and viewable by other users, other people often bookmark Web pages that they find within other users' bookmarks.
16	***Spam:*** Unsolicited "junk" e-mail sent to large numbers of people to promote products or services.
17	***Veronica:*** (Very Easy Rodent Oriented Net-wide Index to Computerized Archives) -- Developed at the University of Nevada, Veronica is a constantly updated database of the names of almost every menu item on thousands of gopher servers.
18	***WiMAX:*** Worldwide Interoperability for Microwave Access (WiMAX) is a communications technology that uses radio spectrum to transmit tens of megabits per second in bandwidth between digital devices such as laptop computers.

Academic Forum

Questions Asked By:

Makumbi Munir, I B.Sc(CS) 'A'

Answers Given by:

To know about the basics of 8085 microprocessor

M.M.Kavitha, Lecturer, CS Dept.

How we measure the speed of the computer?

The speed of your computer is measured in MegaHertz(Mhz) or GigaHertz. (GHz). Mhz is one million transactions a second and one GHz is one billion transactions per second.

Why are program counter and stack pointer 16-bit registers?

Because SP points to the beginning of stack memory (LXI SP 8000H) which is 16-bits. Also PC points to the memory locations (16-bits) of the instructions to be executed to maintain the proper sequence of execution of program.

Why is data bus bi-directional?

As it has to carry data from MPU to external device or the reverse

What is Tri-state logic?

Three Logic Levels are used and they are High, Low, High impedance state. The high and low are normal logic levels & high impedance state is electrical open circuit conditions. Tri-state logic has a third line called enable line.

In 8085 which is called as High order / Low order Register?

Flag is called as Low order register & Accumulator is called as High order Register.

What is the difference between operand and opcode?

Opcode is used as the value of instruction and operand is address location where the instruction can meet

Name 5 different addressing modes?

Immediate, Direct, Register, Register indirect, Implied addressing modes.

What is clock frequency for 8085?

3 MHz is the maximum clock frequency for 8085.

What is an Interrupt?

Interrupt is generally said to be an signal passed by an i/o devices for data transfer purpose. The microprocessor accepts the interrupt signal does the job.

Can you give an ALP to find one's complement of a number

Sample:

Input: (4400H) = 55H

Output: (4300B) = AAB

Source program:

LDA 4400B	*Get the number*
CMA	*Complement the number*
STA 4300H	*Store the result*
HLT	*Terminate*

Can you explain ALP to find Two's complement of a number

Sample:

Input: (4200H) = 55H

Output: (4300H) = AAH + 1 = ABH

Source program:

LDA 4200H	*Get the number*
CMA	*Complement the number*
ADI, 01 H	*Add one in the number*
STA 4300H	*Store the result*
HLT	*Terminate*

Archives

S.NO	ARTICLE TITLE	AUTHOR NAME	ISSUE	MONTH	YEAR
1.	Information Technology @ 2008	S.Sasikala, D.Suganya, Lecturer in CS	ISSUE #5	JAN	2009
2.	Mobile phone gun	S.Gowri, Lecturer in CS	ISSUE #5	JAN	2009
3.	I-News	Prof.K.Natarajan, Director, Centre for Information technology	ISSUE #5	JAN	2009
4.	Placement forum	S.Rajanarayanan, Placement team member	ISSUE #5	JAN	2009
5.	Mobile phone basics	K.Kokilam, A.NirmalaDevi Lecturer in CS	ISSUE #5	JAN	2009
6.	Who is Who	M.M.Kavitha, Lecturer in CS	ISSUE #5	JAN	2009
7.	Listening to an interview	P.Raghu III-BSc(CS)'B'	ISSUE #5	JAN	2009
8.	J2SE Code Names	D.Suganya, Lecturer in CS	ISSUE #5	JAN	2009
9.	How does satellite Internet Operate?	S.Ranichandra, Lecturer in CS	ISSUE #5	JAN	2009
10.	Source Code to print a flag	M.Jagadeesh II – BCA – 'C'	ISSUE #5	JAN	2009

Staff Name	Class	Assignments Topic	Comments
Krishnamoorthy.S	II B.Sc(CS) 'B' & 'C'	Linear and Binary Search	In time submission .students referred internet and submitted, many new topics in their own interest.
M.Anitha	II BCA 'B'	Illustrations for algorithms	Students created their own examples and provided the step by step process in detail.
Nithya.S	II BCA 'C'	DSA: Different Types of Trees	In time submission. They illustrate own examples and referred internet for newly emerged concepts.
Nagarajan.S	III BCA 'D'	AWT Controls in JAVA	In time submission. They implemented the concepts in junior programmer level and not get much depth in advanced level.
Padma.S	III BCA 'B' & 'D'	Applications of AI	Students referred internet and quoted applications of AI in different Domains.
Prema.S	III B.Sc(CS) 'B'	Looping and control structures in PL/SQL	Student submits their assignment on the day specified promptly. They referred internet and referred database journals in library for their assignments.
Sasikala.S	III B.Sc(CS) B	Comparison of control structure statements in VB and JAVA	Student submits their assignment on the day specified promptly. They compared their last semester subject with the current semester subject. Hope this makes them to easily remember the syntax.
Kavitha.V	III B.Sc(CS) C	Open source Operating Systems	Student submits their assignment on the day specified promptly. Students referred internet and other relevant books in library for their assignments.

Ms. Kavithaa Srinivashaan, M.A.,M.B.A.,
Executive Director

Our advisor has suggested to include details regarding assignment, seminars, Placement details, Archives of ishare. It has been included in this issue.

Dr.K.V.Kannan, M.B.A., M.Phil., Ph.D.,
HOD, BBA Department

Dr.K.V.Kannan has appreciated the ishare monthly magazine and has inculcated an idea for releasing a monthly magazine for BBA department similar to ishare. This sort of appreciation encourage us to publish more and more interesting issues.

Mailing List

To whom we send

- **The Vice-Chancellor, Periyar University ,Salem-11**
- **The Registrar, Periyar University ,Salem**
- **The Controller of Examination, Periyar University ,Salem-11**
- **The HOD, Department of Computer Science, Periyar University,Salem-11**
- **The HOD, Government Arts College for Women, Salem-8**
- **The HOD, Government Arts College for Women , Krishnagiri**
- **The HOD, Government Arts & Science College (W), Burgur, Kirshnagiri**
- **The HOD, J.K.K Nataraja College of Arts & Science**
- **The HOD, M.G.R College of Arts & Science**
- **The HOD, Sengunthar Arts & Science College**
- **The HOD, Muthayammal College of Arts & Science**
- **The HOD, PEE GEE College of Arts &, Science**
- **The HOD, Harur Muthu Arts & Science College for Women**
- **The HOD, Vivekanandha College of Arts & Sciences (W)**
- **The HOD, Mahendra Arts & Science college**
- **The HOD, Selvam Arts & Science college**
- **The HOD, St.Joseph's College of Arts & Science for (W)**
- **The HOD, Vysya College of Arts &, Science**
- **The HOD, NKR Government Arts College for Women**
- **The HOD, Arignar Anna Government Arts College**
- **The HOD, Salem Sowdeswari College**

- **The HOD, P.G.P College of Arts & Science**
- **The HOD, Attur Arts & Science College**
- **The HOD, SSM College of Arts & Science**
- **The HOD, Government Arts College Salem**
- **The HOD, Government Arts College Men**
- **The HOD, Government Arts College, Dharmapuri**
- **The HOD, Gobi Arts and Science College (Autonomous)**
- **The HOD, Sri Kandhan College of Arts & Science**
- **The HOD, Sri Ganesh College of Arts & Science**
- **The HOD, Jairam Arts & Science College**
- **The HOD, Sri Balamurugan College of Arts & Science**
- **The HOD, PSG College of Arts and Science**
- **The Secretary, PSG College of Arts and Science**
- **The HOD, Kongunadu Arts and Science College(Autonomous)**
- **The HOD, Vivekanandha College for Women**
- **The HOD, Sri Vidhya Mandir Arts & Science College**
- **The HOD, *St.*John's College *Palayamkottai* - 627 007**
- **Mr. S.T.Rajan, St. Joseph's College, Trichy**

We request the recipients of the book to kindly convey their feedback

Placement Forum

Bye! Bye! Recession and Hello! Placement

TATA CONSULTANCY SERVICES

The following lists of students are placed in Tata Consultancy Services. We congratulate them.

S.No.	Name of the Student	Course
1	ASHITHA.M	B.Sc (CS)
2	BANUPRIYA.T	B.Sc (CS)
3	VIVEK.R	B.Sc (CS)
4	MANIGANDA PRABHU.G	B.Sc (CS)
5	KANISHTON.S	B.Sc (CS)
6	KARTHIK.V	B.Sc (CS)
7	MEGALA.K	BCA
8	RAMYADEVI.S	BCA
9	SOWBARNI.S	BCA
10	BALAGURUNATH.S	BCA
11	KAVINKUMAR.D	BCA
12	MOHAMMED TAJUDEEN	B.Sc (ELE)

The following students who got placed in Cognizant

S.No.	Name of the Student	Course
1	VINODHINI. S	B.Sc (CS)
2	FARZANA.M	BCA

Cognizant

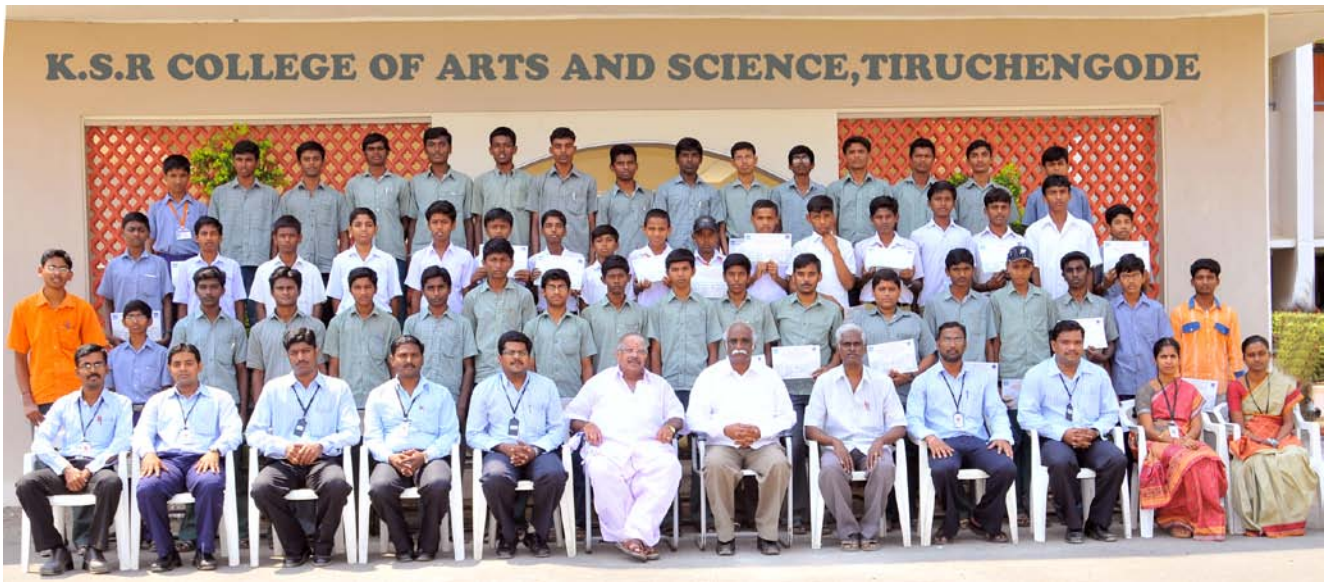
We welcome your valuable comments, suggestions & articles to
Ishare, Department of Computer Science & Applications (UG)
K.S.R College of Arts and Science, Tiruchengode-637215
Phone: 04288 -274741(4), Mail : ksrcas.ishare@gmail.com

KSRCAS TIMES

EMPOWER 2010

This is the third successful activity conducted by the department of Computer Science and Applications for the Academic year 2010-2011. Empower Phase I was a grand success and every success has to be followed with a shine for which Empower Phase II was conducted which was a grand endeavor.

Happenings



EXTENSION ACTIVITY

The extension activity has been successfully conducted for the Government School students by our faculty members in the year of 2010 and certificates were issued for the completion of course