ARYA
College of Engineering & Research Centre

Approved By : AICTE | AFFILIATED To : Rajasthan Technical University

PRESENTS

Department of Computer Science

VOYAGE
The Techno Newsletter

The Society for Educational Excellence has always aimed to achieve high standards in technical education. Arya College of Engineering and Research Centre under its flagship is doing very well. We at ACERC work tirelessly to produce best technical work force to stand against highly competitive global challenging world.
I congratulate the educational board to come up with this first issue of quarterly newsletter "VOYAGE" which highlight the multi diversity sectors where we are working. I convey my message to the team and expect similar enriched quarterly newsletter in future.

Dr Arvind Agarwal
(President-ARYA Group of Colleges)

It is my immense pleasure to introduce the first issue of newsletter of Computer science engineering "VOYAGE". The newsletter is a source of motivation for both student and faculties.

Every aspect of this newsletter will help us in enhancing our knowledge in every aspect.

I would like to congratulate the Team of editors for their efforts in collecting and compiling information & for bringing up such a piece of work.

Dr. Puja Agarwal
(Director-ARYA College of Engg.& Research Center)

Enthralled with the excellence and perseverance of the students of ACERC, the CS Department has commenced the newsletter "Voyage" to guide them towards a better and bright path. The ever increasing & constant updation of technology can not be provided a better platform. I heartily congratulate all the students and faculties of CS Department of ACERC for one of the finest newsletter. We wish them luck & all our support & best wishes will always be with them.

Prof. P. N. Singhal
(Principal ACERC)

I am very glad to announce the beginning of new chapter of ACERC. I would like to congratulate the students & Faculties for their effort in bringing out the newsletter VOYAGE.

I hope the activities of the chapter will give an opportunity to the students to learn new aspects about computer science engineering. Wishing best of luck to all members for the new venture.

Dr. Himanshu Arora
(Registrar Acerc)

"Knowledge is power. Information is liberating. Education is the premise of progress. In every society, In every Family"

It is an ecstasy to re-announce the beginning of the newsletter 'Voyage' from Computer Science Department. It is my immense pleasure to dedicate this premiere issue to our prestigious Arya family. Through this newsletter we hope to reach every student and be an inspiration and motivation for all to achieve heights.

Dr. Sanjay Tiwari
(HOD CS Dept.)

Alumini Speak

Bootstrap is a powerful front-end framework for faster and easier web development. It includes HTML & CSS based design templates for common user interface component like typography, forms, button, tables, navigations, dropdowns, alerts, modals, tabs, accordion, carousel and many other as well as optional JAVA script extensions. Bootstrap also gives you ability to create a responsive layout with much less efforts.

- Tapendra Singh
(CS Batch 2010-14)
(Software Developer in Metacube Software)

As a computer science aspirant what I see is today's world among the students of CS is that they have lost the fun in computing. We are just cramping the course & passing the exams. The most imp. Thing that is extraordinarily imp. Is be as students of CS must keep the fun in computing.

As per Dennis M. Ritchie, *"C is quirky, flawed & an enormous success"*

- **Rohit Soni**
(CS Batch 2011-15)
(Trainee in L&T InfoTech)

Graphene's merits in electronic devices and as a light bulb coating are still being debated. But new results suggest the atom-thick carbon sheet has one clear advantage: precise but practical calibrations of electrical resistance. This might seem like a minor use for the world's most celebrated wonder material, but it's one that sits at the very base of the electrical engineering pyramid.

- **Asim Sheikh**
(EE Batch 2011-15)
(IES Prepration)

New research shows how individual atoms move in a trillionth of a second to form wrinkles on a three atom thick material. Revealed by a brand new 'Electron Camera' one of the world's speediest, this unprecedented level of details could guide researchers in the development of solar cells, fast and flexible electronics & high performance chemical catalyst.

- **Arpan Aanad**
(ECE Batch 2011-15)
(Telecom Engineer in Samsung)

UPCOMING EVENTS

- **Shradhanjali 2K15** will be organized from Sept. 17 to 19. It includes a total no. of 15 events. The heartwarming Fashion Walk is the main attraction of Shradhanjali.

A quick glimpse of some of upcoming events-

- **Fresher's Party** for 1st year students will be organized by the 2nd year student.

[news & happenings]

In the month of August & September various event are organized like Teacher's day celebration, Janamashtami celebration, Inter college technical fest, Independence day celebration:-

15th August is celebrated as **Independence Day** of India, commemorates its independence from the British rule. *On this day a tribute to all the freedom fighters was given in the college auditorium. A speech was given by Dr. Arvind Agarwal Sir along with flag hosting ceremony and other cultural events. The feeling of togetherness was visible on everyone's face.*

INTER COLLEGE TECHNICAL FEST

On 24th august a technical event was organised for 1st year students. The event was having different sub-events like Robo-Race, Robo-soccer, Roadies 4.0, splitsvilla etc. in which the students of 1st year participated with charm & won exciting prizes. The event was hosted by **RJ Devangana & RJ Abhi** from **Radio 95 FM tadka.**
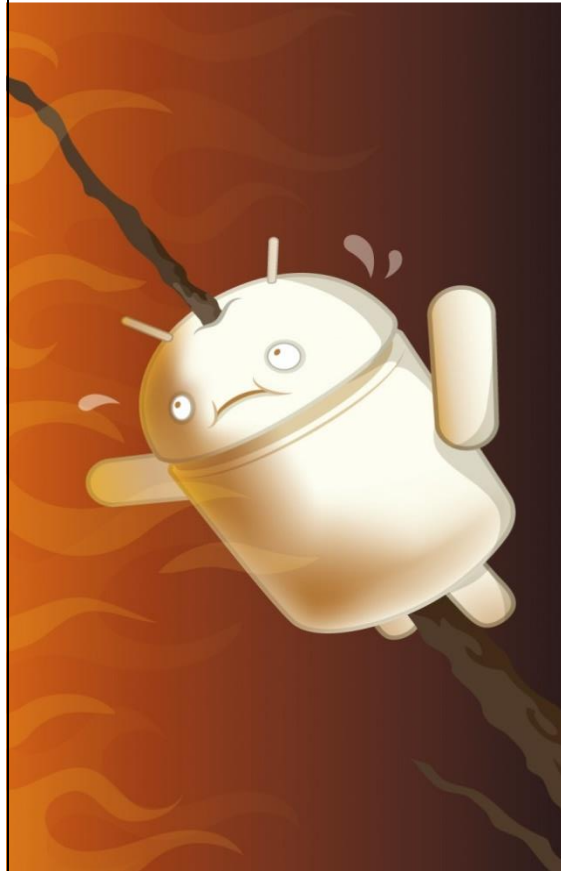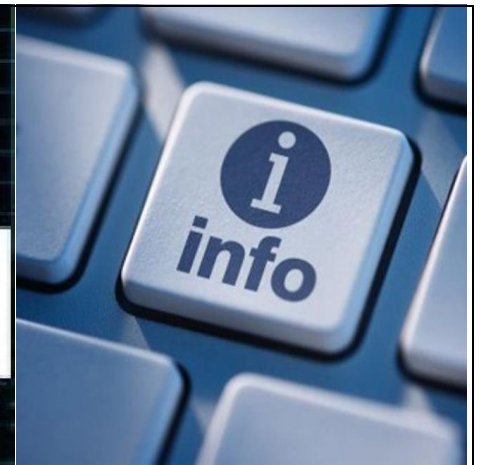
Teacher's Day Celebration

Teachers are the creator and the well-wishers of the students. Every year students celebrate this auspicious day with a great excitement. This year we also came around with different colors of joy for our respected faculties. All the students gathered together to celebrate the occasion and arranged a surprised party for the teachers .The cake was bought and cherished with love and respect for our teachers .These moment became more memorable when **Dr. Puja Agarwal** ma'am, the director of our college attend the celebration accompanied by our Principal **Prof. P. N. Singhal** Sir & **Dr. Himanshu Arora** Sir.

Janamashtami is celebrated as the birth day of Lord Krishna. Arya College celebrated this day as it celebrates every festival. Bhajans of Lord Krishna were sung by students in the presence of Arvind Sir & Puja ma'am.

Picture Gallery

Goggle will officially launch its Android Marshmallow in the end of September

Android Marshmallow first broke cover at Google's I/O developer conference in May 2015. Rumours have since put the official launch date at 29 September along with the Nexus 5 and Nexus 6 devices. The Nexus phones will reportedly be generally released from early November, with pre-orders beginning on 13 October.

Generally, new versions of the Android OS have been rolled out around three to six months after their initial announcements, a timetable that schedules Android.
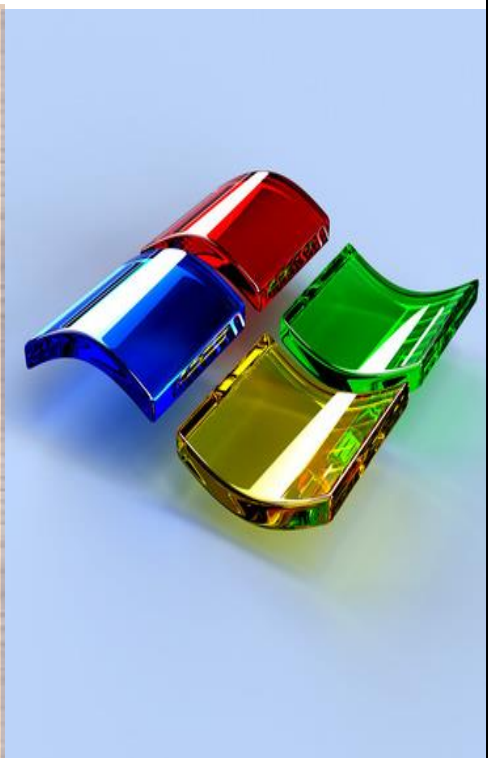
- Rashmi Singh (III Yr.)

Windows 10 updates: Windows 10 is the last version of Windows

Windows 10 is in the words of Microsoft, the last version of Windows. While this doesn't mean there will be no new Windows releases at all, the new strategy will see Microsoft drop the massive overhauls traditionally seen between releases. Instead, the company will move to a more Apple-style focus on incremental iterations of and improvements to the existing OS.

Speaking at the company's inaugural Ignite conference this spring, Microsoft development executive Jerry Nixon gave the rather tortuous explanation that: "Right now we're releasing Windows 10, and because Windows 10 is the last version of Windows, we're all still working on Windows 10."

- Harun Singh Rajpurohit (II Yr.)

iPhone 6S will be on stores by 25th September

After a year of rumors, speculation and ever-mounting evidence, Apple has finally unveiled the iPhone 6S, alongside its bigger sibling, the iPhone 6S plus on 9th September 2015 & it'll in stores from 25th September in 12 countries including UK.

The iPhone 6S will start at £539, while the iPhone 6S Plus starts at £619.

- Harshit Janjani (II Yr.)

Hot on Net

A Supercomputer that knows that you are going to die

A supercomputer developed in US can predict the likelihood of a person's death with almost 100 per cent accuracy. The machine installed at Boston's Beth Israel Deaconess Medical Centre, draws on a data of more than 250,000 people collected over a period of 30 years to make a speedy diagnoses.

The machine's ability to speedy disease recognition could potentially save lives as well as patient's imminent demise.

Patients at the hospital are linked up to the super computer which collects and analyses data about their condition every 3 min, measuring everything from oxygen level to blood pressure to give doctors "everything they need to know about the patient"

"If the computer says you are going to die, you probably will die in the next 30 days", Steve Horng, a doctor at the hospital said.

Android Marshmallow to be releasing in November 15

The newest version of Android, version 6.0 named Marshmallow, has been available for developers to preview for some time now, with a public release pegged for November 2015. There are a lot of improvements that Google is promising with Android Marshmallow, which give you more control over the phone and improve performance, while also providing new ways to interact with your device.

The following feature are the most waited among the users-

- Apps asking permission to access features
- Now on Tap - Google Now just a tap away
- Doze - improved battery life
- Android Pay
- Fingerprint support

The first satellite powered entirely by ion engines is online

Boeing has announced the first all-electric ion propulsion satellite is fully operational.

The satellite in question doesn't have a snappy name — it's a communications satellite called ABS-3A 702SP. It was launched last March aboard a SpaceX Falcon 9 rocket. It has just recently been handed over to its owner, Bermuda-based telecommunications company ABS. Because ABS-3A is a communications satellite, it needs to remain in a geosynchronous orbit. Thus, station-keeping is essential. When it can no longer maintain its orbit, it will cease being useful. Ion thrusters make a lot of sense in this scenario.

Ion engines operate on the same basic principles of physics that chemical thrusters do- expel mass from a nozzle to push a craft in the opposite direction. Instead of the combustion of volatile chemicals, ion engines operate with chemically inert xenon gas. Using an electrostatic field, the ionized gas is accelerated out of the nozzle, propelling the craft forward. This is the same type of thruster technology used on NASA's Dawn spacecraft, which is currently studying the dwarf planet Ceres.
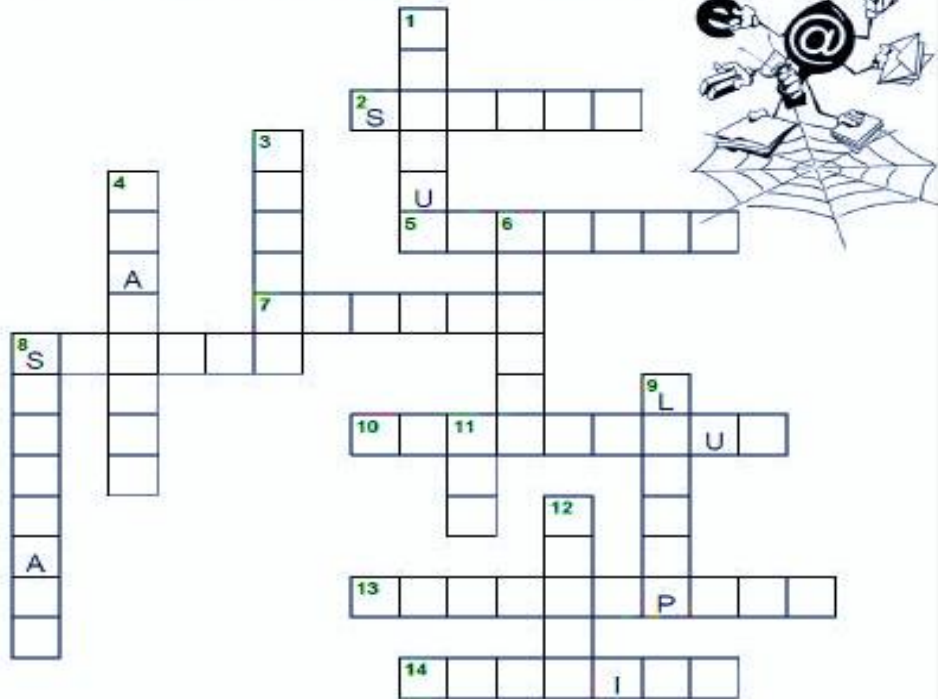
TEST YOUR BRAIN

Computers and Internet

Using the Across and Down clues, write the correct words in the numbered grid below.

ACROSS
2. the part of the computer that you look at
5. instructions for a computer to follow
7. a type of communications systems that sends messages via internet
8. person who is always using and constantly online
10. a person who uses the Internet
13. the imaginary place where electronic messages, etc. exist while they are being sent between computers

DOWN
1. (making a) copy of a file, program, etc.
3. a person who secretly finds a way of looking at and /or changing information on somebody else's computer without permission
4. an area on the Internet where people can communicate with each other
6. on the Internet
8. computer programs
9. a portable personal computer

Computer Tricks

Boost internet speed by 20% without any software

1. Go to the run command and enter �gpedit.msc� without quote.
2. Go to Computer Configuration.
3. Go to Administrative Templates
4. Go to network.
5. Go to QoS Packet Sheduler.
6. Double click on Limit reservable bandwidth.
7. Change Not Enabled to Enable and you can see 20% in there.
8. Just change it to 0% and apply and you are done.
Note:- you can feel the increase in speed only on if you are on Dial Up or on slow speed connection. For high Speed connection also it works but you may not feel the change in speed.

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