foCuSE

Chief Editor ✓

Dr.P.Niranjan Reddy
Head of the Department
Department of CSE

I am very much pleased with the idea of releasing newsletter from the Department of Computer Science and Engineering of Kakatiya Institute of Technology & Science, Warangal. This is really a very good effort to keep students abreast of the new technological trends and directions in the field of Computer Science & Engineering.

-Dr.K.Ashoka Reddy.

Recent Events ✓

Technoplexus '13
(A National Level Technical Event)

Sanskriti '14
(A National Level Cultural Carnival)

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Btech IV/IV

V.Sushanth
Btech IV/IV

K.v.Raghava
Btech IV/IV

It gives me immense pleasure to announce the release of CSE Department newsletter, foCuSE. The unique feature of Newsletter is that it is being planned and designed by the student fraternity alone and without whose support; this would not have been the reality.

-Dr. P.Niranjan Reddy.

ABOUT

The Department of Computer Science and Engineering, which has a fine blend of renowned as well as Experienced and dynamic personalities as faculty, is involved in providing quality education at both Undergraduate (UG) and Postgraduate (PG) levels. It has a broad based UG curriculum and specialized M-Tech. The syllabi of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology and Industries. It also offers high quality research in the Doctoral programs.

The Department has strong Industry interaction and has been involved in development of state-of-art products for Industry. It has extensive fabrication, calibration and testing facilities for carrying out industry sponsored research and consultancy projects.

Engineering Events:-

S.NO	Program Name	Company Name	Dates	No. of days	Laboratory Name/Seminar Hall Name	No. of students	Batches/ Students	Resource Person Name
					Academic Year 2013-2014			
1.	Guest Lecture on Cloud Computing	EMC Sr SAN/Storage Solutions Architect From Northcarolina,USA	25-06-2013	1day	Auditorium	350	2nd year,3rd year, 4th year Students of CSE	Sri Mr Ragotham Reddy ,USA
2.	Guest Lecture on Software Engineering approaches	cognizant Technology solutions, Hyderabad & CNO Solutions, Hyderabad	19-07-2013	1day	Auditorium	350	2nd year,3rd year, 4th year Students of CSE	**Someshwar Rao Bukka** Business Analyst, CTS, Hyderabad & **M Murali Kumar** senior software engineer, CNO Solution – Hyderabad
3.	Technoplexus (T13)	KITS,Wgl	7th & 8th Dec, 2013	2 Days	Auditorium	500+	Year, 2nd year, 4th year Students of CSE	Technoplexus (T13) highlights on extracting the hidden engineers of have to transform them self into responsible software professionals.
4.	MTA Certification	Microsoft Technical Associate	22nd & 23rd Nov, 2013	2 Days	WT Lab	150+	2nd year, 3rd year, 4th year Students of CSE	JKC Staff, Hyderabad
5.	Oracle Certification	Oracle	18th,19th,20th December, 2013	3 Days	WT Lab	40	3rd Year Students of CSE	JKC Oracle Staff, Hyderabad
6.	Oracle Certification	Oracle	17th, 18th,19 Feb, 2014	3 Days	IBM Lab	30	3rd year, 4th year Students of CSE	JKC Oracle Staff, Hyderabad
7.	FTP Programme	KITS, Wgl	6th & 7th September 2013	2 Days	Silver Jubliee Seminar Hall	100	Faculty from Various Institutions	Dr.P.Radha Krishna (Principal Research Scientist Infosys Technology)

64-bit chip in smartphones

Whatever Apple does, others follow. The recent Apple announcement of using a 64-bit chip in its iPhone has been followed by Qualcomm unveiling its 64-bit processors. While the former is a flagship smartphone, the latter is likely to make it to affordable smartphones at a sub $150 price point. The year will see more smartphones running on this architecture and apps too can take the benefit of this chipset.

Fingerprint scanners

Motorola thought ahead of the times when it installed a fingerprint scanner in its smartphone. But as usual it is Apple that sets industry standards. Apple has added a touch ID scanner in the iPhone 5s and it is rumoured that the Samsung Galaxy S5 will now have the same. Many other smartphones are too expected to follow. Soon there will be apps that work well with the scanners.

Voice and Gesture control

Siri on the Apple iiPhone and Microsoft's gaming console Kinect were the perfect examples of voice and gesture interface. This is all set to expand further. But talking *to* these phone is a task as it doesn't understand our Indian accents. Companies are working on software that will take care of this challenge. On the gesture front, Samsung is planning to offer more fine-grained, finger-sensitive functionality in its smart TVs of 2014.

Water resistant smartphones

In 2013, the entry of smartphones that were water-resistant. But the number was significantly low. This will see a rise. While many devices will be water resistant, there will a rise in the number of options available where one can get their device's electrical parts coating with warranty intact.

Top 6 Most Popular Programming Languages In Demand

---- Java Programming Language ----

Java is one of the most popular programming languages and the best preferred by programmers and clients. This language has been on top of the TIOBE Programming Community Index. TIOBE is an indicator of popularity of programming languages based on skilled software engineers and vendors world-wide.One aspect of Java that makes it popular is its Java Virtual Machine (JVM) that makes software developed in Java run on any other operating system.

---- C Programming Language ----

C programming language is a procedural language that is extremely fast compared to Java. What makes C to be fast is its need to be compiled to run on specific environments other than where the program was initially developed.Although C was developed to run on Unix Operating system, it has been used in other operating systems but with minor complexities in memory allocation and mastering.

---- C++ Programming Language ----

C++ pronounced as (C plus plus) is a language that was developed by Bjarne Stroustrup to support C programming language on backward-compatibility issues.It was initial aimed to be an update for C language but later became popular and today C++ has been used to develop most business applications, system software, High performance servers, simulations and games.

---- C# Programming Language ----

C# Pronounced as C Sharp, is a multi-paradigm programming language encompassing imperative, functional, generic, object-oriented and component-oriented programming disciplines. C# was developed by Microsoft as its flagship in .Net framework and most of the applications developed in C# will run comfortably in Windows based systems.

---- Objective-C Programming Language ----

Objective-C is the ultimate programming language for producing intense high-pressure software products. It is an Object Oriented language that was developed from the concepts in Smalltalk and C programming languages and influenced the development of Java language.If you want to be a programmer in your own class then I suggest you get skills on this language as the market for Objective-C programmers is not flooded.

---- Visual Basic Programming Language ----

Visual Basic is the language of choice for beginners' programmers mostly because of its ease in application. Programmers can create customized Graphical User Interface (GUI) applications by just way of dropping controls and components into a visual container with additional codes to add functionality.
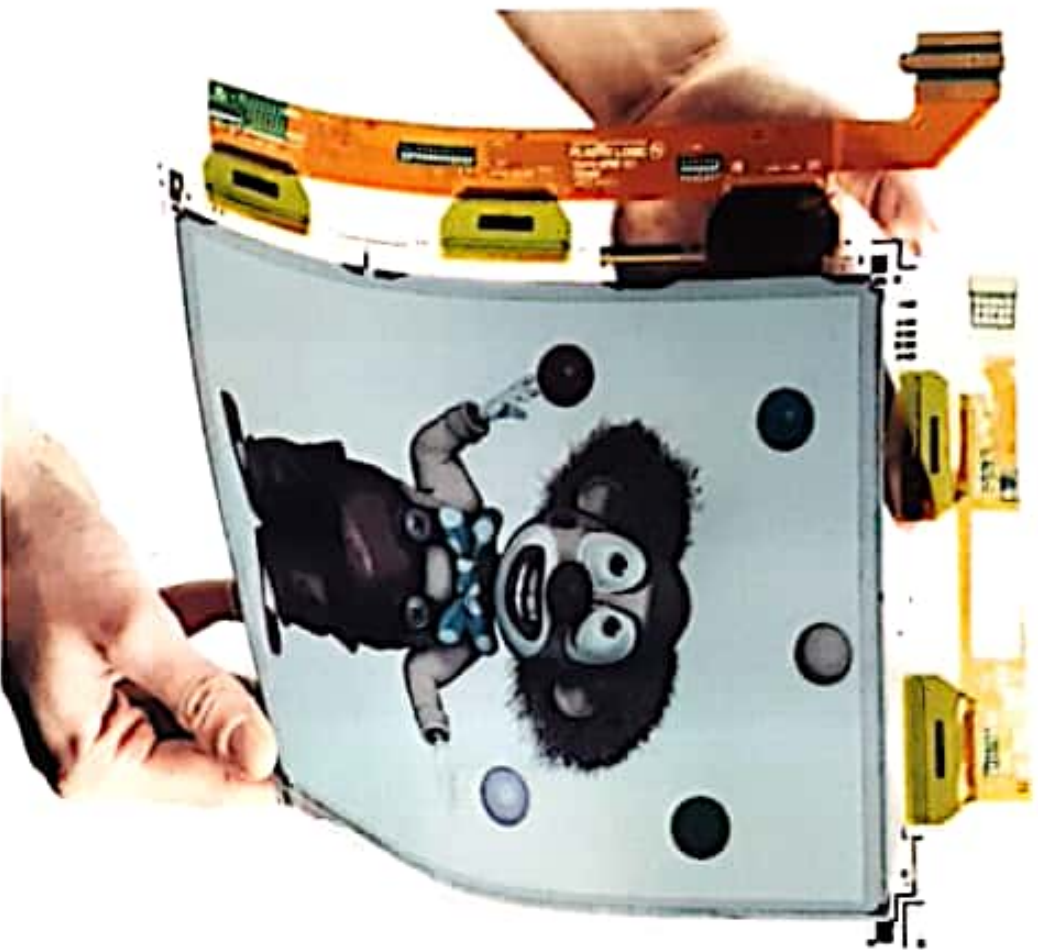
AMANJEETH KAUR
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Flexible OLED TVs

The next step in the evolution of flat panel TVs will be the dominance of the curved/flexible OLED TVs. Samsung and LG, after launching the 55 inch curved OLED TVs, are looking at something even bigger. LG has announced a massive 105-inch curved 4K Ultra HD TV4k OLED TV. It is believed that the 'flexible' and adjustable curve will allow users to angle their TVs to better suit the seating positions of multiple viewers.

Smart Glasses

Google Glass was the biggest tech innovation of 2013. But next year there will be more on those lines. Keep your eyes open for Meta smartglasses in April, GlassUp smartglasses in autumn, and offerings from rivals from Microsoft, Oakley and Sony too.

PAPER TABLET-THE NEXT GENERATION GADGETS

Technology never stops its expansion. Here comes Paper Tablet. The next generation kids may not use the regular paper any more.

At the Consumer Electronics Show-2013 (CES-2013) the Plastic Logic Ltd has unveiled the Paper Tablet. Plastic Logic Ltd boasts that it established the world's first commercial organic electronics Factory.
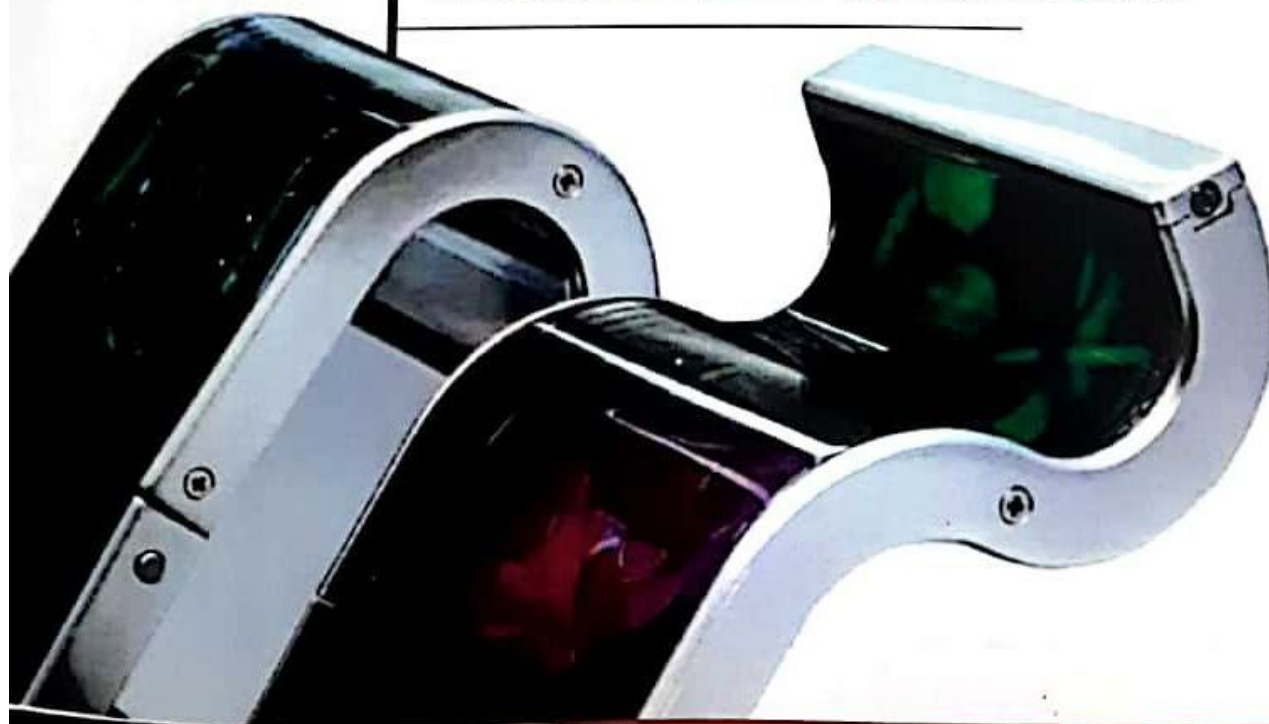
Smart watches will become smarter

Smart watches have been in the news in 2013. In 2014, companies are promising even smarter watches. Sony and Samsung have recently launched their 2013 variants of smartwatches but we can expect to see competition from Google, LG, Microsoft, and even Apple. Long-rumoured to be in production. Qualcomm also has Toq, a concept smartwatch for OEMs in the works.

Curved smartphones

Curved display was a highlight of CES 2013. It was seen mostly on TVs but we got a glimpse of it with the LG Flex smartphone. Since then, Samsung has already launched a curved Galaxy Round phone in South Korea. We are expecting more such devices. Rumours claim we will get screens that wrap around the side of a phone for quick notification access.

Department of computer science and Engineering

Campus recruitment 2013-14 List

S.NO.	Name Of Campany	No. of students selected
1.	TCS, Hyderabad	10
2.	Genpact, Hyderabad	05
3.	ADP-Hyderabad	01
4.	Nile Stream India Pvt.Ltd.	08
5.	Infosys -Hyderabad	02
6.	Tech Mahindra –Hyderabad	01
7.	HP-Bangalore	01
8.	CA Technologies - Hyderabad	01
9.	JRA –Hyderabad	02
10.	Lucid – Chennai	01
11.	Choice Solutions	02
12.	Sonata Software - Hyderabad	04
13.	GGK-Hyderabad	04
14.	CTS-Hyderabad	02
15.	Coherendz Technology Solutions	01
	Total	45

Technoloplexus '13

Technoplexus (T13) highlights on extracting the hidden talents of engineers who have to transform them self into responsible software professionals who are the need to the IT industry . Participants will have exposure to the happenings of the outer world.

The event tests the students in real-time scenario where their analytical and logical thinking ability goes through the scanner. Technoplexus 2013 brings out the advancement taking place in Technology front to prompt knowledge sharing among your technocrats.

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