



# QIS INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU, Kakinada)

(AN ISO 9001: 2015 Certified Institution)

Ponduru Road, Vengamukkapalem, Ongole, A.P - 523 272

## CSE DEPARTMENT NEWS LETTER

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Mr. T.V.Subrahmanyam  
HOD

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4. R BHARGAVI, III/CSE



# TECHNO-FOCUS

## 2016-17

## January to March

## Principal's Message



I am happy to note that the editorial board brings out newsletter for the period January to March 2017. It is great to find a considerable number of participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such laurels to the institution.

**Dr G. Lakshmi Narayana**

## HOD's message



Am very happy that our Computer science and engineering is releasing Newsletter. It is a platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence. We have arranged several guest lectures and workshops for our 2nd, 3rd and 4th year students in this semester. The department has already applied for the NBA accreditation. I hope the NBA committee will be visiting our department in the coming semester. So let us work together for the achievement of this goal. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

***Mr. T.V.Subrahmanyam***

## Department of Computer Science and Engineering

The Department of Computer Science & Engineering was started in the year 2008. With an intake of 60, now total strength of the department is 480. The college conducts the examinations and the degree is awarded by JNTUK Kakinada. University incorporates latest developments in Basic Computer Science, Programming, Application development, Communication, Data mining and warehousing and allied fields in a dynamic fashion so that the student is exposed to the latest technological advancements during the course of study.

### Vision of the Department

To produce highly knowledgeable computer science and engineering professionals comprising of technical skills & competence to meet the global requirements embedding with research, ethical values and societal commitment.

### Mission of the Department

- Impart quality education in computer science and engineering through innovative teaching and learning methodologies.
- Conduct industry ready skill development programs to bridge the gap between academia and industry to produce competitive software professionals with research and lifelong learning.
- Inculcate team work, ethical values to make them socially committed professionals.

### Program Educational Objectives (PEOs)

**PEO 1:** Graduates will have solid foundation in fundamentals of computer science and engineering required to solve computing problems and create innovative software products and solutions for the real life problems.

**PEO 2:** Graduates will have technical competence and skills to use modern and cost-effective tools and technologies and have extensive and effective practical skills in computer science and engineering to pursue a career as a computer engineer.

**PEO 3:** Graduates will have attributes like professionals with world class academic excellence, ethics, best practices, values, social concerns, lifelong learning and openness to other international cultures to meet the global needs.

**PEO 4:** Graduates will have managerial and entrepreneur skills with cross-cultural etiquettes, leading to a sustainable competitive edge in R&D and meeting societal needs.

### Guest Lecture

A number of Guest Lectures from various Institutional and Industrial Experts in the field were organized by department OF CSE for in-depth understanding of the subjects. Table shows the list of some guest lecturers organized.

Date	Topic	Resource person
12/1/2017	Internet of Things	Dr. Ilaiah Kavati, Assistant Professor, NIT, Warangal
20/03/17	Data structures	E. Suresh Babu, Assoc professor, NIT, Warangal

### students who participated outside a state

S.No	Name of the student	Date	Title of the event	College/university & location
1	BATHINEEDI ANVITHA	23-25,jan 2017	International journal of research	Bharat university, chennai
2	BHAVANAM BHARATHI	23-25,jan 2017	International journal of research	Bharat university, chennai
3	BOTLA SWATHI	23-25,jan 2017	International journal of research	Bharat university, chennai
4	CHANTI YAMINI	23-25,jan 2017	International journal of research	Bharat university, chennai
5	DAMA LAKSHMITHIRUPATHAMMA	23-25,jan 2017	International journal of research	Bharat university, chennai
6	EKKIRALA ANJALI	23-25,jan 2017	International journal of research	Bharat university, chennai
7	GUDLURI VENKATA BALA MRINALINI	23-25,jan 2017	International journal of research	Bharat university, chennai
8	KALLAGUNTA NAVEENA	23-25,jan 2017	International journal of research	Bharat university, chennai

## Placement Training

S.NO	Date of the Event	Resource person	Details of training Program
1	22.2.2017	Mr. Ramakrishna	career Guidance Program on CAT Employability Training

## PROGRAMS CONDUCTED BY EDC

S.NO	Name of the Resource person	Name of the Event	Beneficiary	Date of the Event
1	Mr. Ch.Venkateswarlu, Chartered Accountant, Kandukuru,Ongole	Guest Lecture on Business Plan Preparation	Students of different years & different branches &	16.02.2017

## Activities beyond Curriculum

# క్విస్ విద్యార్థుల రక్తదానం

ఒంగోలు : స్థానిక క్విస్ ఇంజనీరింగ్ కాలేజీ విద్యార్థులు బుధ వారం భారీగా రక్తదాన కార్యక్రమం నిర్వహించారు. కాలేజీ ఆవరణలో జరిగిన ఈ కార్యక్రమాన్ని క్విస్ ఎన్ఎస్ఎస్ విభాగం చేపట్టగా వారికి స్థానిక లయన్స్ క్లబ్, రిమ్స్ ఆసుపత్రి, బిల్డింగ్ బ్లడ్ బ్యాంక్, లైఫ్ లైన్ బ్లడ్ బ్యాంక్లు సహకారం అందించారు. మొత్తం 250 మంది విద్యార్థులు రక్తదానం చేశారు. క్విస్ విద్యార్థుల అధినేత నిడమానూరి నాగేశ్వరరావు మాట్లాడుతూ విద్యార్థుల నుంచి లభించిన అనూహ్య స్పందనపై హర్షం తెలిపారు. యువతరం బాధ్యతగా సేవా కార్యక్రమాల్లో పాల్గొనే విధంగా ప్రోత్సహించాల్సిన అవసరం ఉందన్నారు. క్విస్ కాలేజీ ప్రెసిసిపాల్ డాక్టర్ జి.లక్ష్మీనారాయణరావు, లయన్స్ క్లబ్ సెక్రటరీ ఫిరోజ్, కోశాధికారి సాజిత్, రిమ్స్ మెడికల్ అధికారి కె.సునీత పాల్గొన్నారు. క్విస్ విద్యార్థుల ఎగ్జిక్యూటివ్ చైర్మన్



రక్తదానశిబిరాన్ని పరిశీలిస్తున్న కళాశాల అధినేత ఎన్.నాగేశ్వరరావు

నిడమానూరి సూర్యకల్యాణ్ చక్రవర్తి, ఇతర అధ్యాపక, అధ్యాపకేతర సిబ్బంది పాల్గొన్నారు.



Thu, 16 February 2017  
epaper.sakshi.com//c/16887887

Blood Donation Camp organized by our students

Inter-Collegiate Techno Cultural Fest

QIS-FEST 2017 is a National Level Students Meet, which witnesses the interfusion of competitions, inspirational talks, music, dance, pro-shows and much more. It is aimed at stimulating the youth to elevate aspirations, fight challenges and to achieve big. The objective of the program is to showcase the dynamism of the youth and to give an excellent platform for everyone to explore their talents.

# క్విస్ ఫెస్ట్-2017 ప్రారంభం



ప్రార్థనా కార్యక్రమంలో ముఖ్య అతిథులు, డాక్టర్ సుబ్బారెడ్డి

ఓంగోలు:

క్విస్ విద్యాసంస్థలు ప్రతిపాటా నిర్వహించే వార్షిక సాంకేతిక, సాంస్కృతికోత్సవం క్వీస్ ఫెస్ట్-2017 శనివారం స్థానిక క్వీస్ కాలేజీలో ఘనంగా ప్రారంభమైంది. ముఖ్య అతిథిగా సతీష్ ధావన్ స్పెన్ సెంటర్ అసోసియేట్ డైరెక్టర్ డాక్టర్ టి.సుబ్బారెడ్డి హాజరయ్యారు. క్వీస్ విద్యాసంస్థల అధినేతలు నిడమానూరి నాగేశ్వరరావు, డాక్టర్ టి.సుబ్బారెడ్డిలు జ్యోతి ప్రజ్వలన చేసి కార్యక్రమాన్ని లాంఛనంగా ప్రారంభించారు. డాక్టర్

- ముఖ్య అతిథిగా పాల్గొన్న సతీష్ ధావన్ స్పెన్ సెంటర్ అసోసియేట్ డైరెక్టర్ సుబ్బారెడ్డి
- అలరించిన క్రీడా, సాంస్కృతిక కార్యక్రమాలు

టి.సుబ్బారెడ్డి మాట్లాడుతూ విద్యార్థులు ఆధునిక సాంకేతిక పరిజ్ఞానాన్ని అర్థం చేసుకొని పురోగతి సాధించాలని సూచించారు. శాటిలైట్ అనువర్తనాల గురించి, కమ్యూనికేషన్ వ్యవస్థ గురించి విద్యార్థులకు విపులీకరించారు. నానో టెక్నాలజీ, థర్మో టెక్నాలజీ, సోలార్ సిస్టం, సహజ వనరులు, మొబైల్ టెక్నాలజీ సమీకరణ గురించి విద్యార్థులకు వివరిస్తూ ప్రస్తుతం సమాజంలో వాటి ప్రాధాన్యతలను వివ



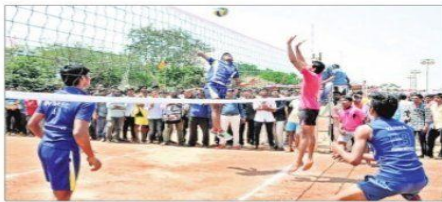
హ్యంద్బాల్ అడుతున్న బీబీఎస్ఆర్ చీమకుర్తి, క్వీస్ ఇంజనీరింగ్ కాలేజీ జట్టు



పాయింట్ కోసం ఆరాటం..



పొదిలి, చోడవరం బాలుర జట్టు



వారీబాల్లో చీమకుర్తి, ఓంగోలు జట్లు పోటీ



బాస్కెట్బాల్ మ్యాచ్లో తలవదుతున్న విజయవాడ పీవీఆర్ సిద్ధార్థ, కావలి పీవీఆర్ బట్స్ ఇంజనీరింగ్ కాలేజీ

కలిగించిందన్నారు. వివిధ క్రీడా పోటీల విజేతలు... సెమినార్లలో విజేతలుగా నిలిచిన వారికి బహుమతులు పంపిణీ చేశారు. అనంతరం జరిగిన సాంస్కృతిక కార్యక్రమాలు అలరించాయి. ప్రీన్సిపాల్స్ డాక్టర్ కె.వీరాస్వామి, డాక్టర్ జి.లక్ష్మీ నారాయణతో, క్వీస్ ఫాస్టినీ ప్రీన్సిపాల్ డాక్టర్ దక్షిణామూర్తి, క్వీస్ డి.గ్రీ కాలేజీ ప్రీన్సిపాల్ డాక్టర్ బుజ్జిబాబు, క్వీస్ ఫెస్ట్ -2017 కన్వీనర్ డాక్టర్ ఎస్.రవీంద్ర, సహాయ కన్వీనర్ డాక్టర్ కె.వెంకటేశ్వర రావులను క్వీస్ విద్యాసంస్థల ఎగ్జిక్యూటివ్ చైర్మన్ నిడమానూరి సూర్యకళ్యాణి చక్రవర్తి అభినందించారు.

**BANK EXAMS SSC (CGL)**  
**I-CET MAT**  
 Batches Starting on: 16<sup>th</sup> March  
**T.I.M.E.** Anjalah Road, ONGOLE  
 08592 - 220540  
 Triumph Institute of Management Education Pvt. Ltd. 99855 88783

## Technical Article

### **Skymions” For Data Storage**

Researchers in Germany have used skyrmion tiny magnetic vortices that can be imagined as two dimensional knots in which the magnetic moment rotates about 3600 degrees within a plane for the first time to store data. This technology could be used to create hard disk with higher densities and faster data transfer speeds. What Are Skyrmions? Skyrmions that consist of a small number of atoms were first identified about 80 years ago and have been the object of intensive research in recent years. They are named after a British particle Physicist, Tony Skyrme. This meant the existence or non-existence of a skyrmion could be assigned the digital bit states “1” and “0”, the basis for information technology. In a Gist: In their experiment, the researchers used a two atomic layer thick film of palladium and iron on an iridium crystal. They observed the skyrmions, with a diameter of a few nanometers, with a scanning tunneling microscope. The skyrmions were then manipulated with a small spin polarized current from the tip of the microscope. The research team has demonstrated the feasibility of skyrmions in data storage. This new technology can also be introduced in computers, tablets and smart phones.

### **INTERESTING FACTS ABOUT NAMES OF SOME TECNOLOGIES**

Naming the products is a mindboggling matter, but some kind of technology products have some interesting facts about creation of their name. Here they are 1. Bluetooth Bluetooth has a very interesting namesake in the person of a 10th century Danish King. Personally responsible for the unification of Denmark, Norway and Sweden, King Harald Blatland's legendary affinity for toothstaining blueberries gained him the nickname of Bluetooth. Just as King Blatland successfully united different cultures centuries ago, bluetooth technology has united the realms of today's electronic devices with resounding success. As a wireless tip of the hat to King Blatland, Bluetooth technology has embraced the runic alphabetic characters for H and B as its logo. 2. iPod: “Open the pod bay door, Hal” During Apple's MP3 player development, Steve Jobs spoke of Apple's strategy: the Mac as a hub to other gadgets. Vinnie Chieco, a freelance copywriter Apple hired to help name the gadget before its debut in 2001, fixed on that idea, according to Wired. He brainstormed hubs of all kinds, eventually coming to the concept of a spaceship. You could leave it, but you'd have to return to refuel. The stark plastic front of the prototype inspired the final connection: pod, a la 2001. Add an “i”

and the connection to the iMac was complete.

3. **Windows 7: Counting on the Power of 7**  
While Microsoft's next OS is kind of a "Ho-hum" name, one has only to look at what happened with the most recent Windows release to understand why Microsoft might have gone back to a tried-and-true naming philosophy: Vista? Ouch. Windows 95 and XP? Those have done much better. Microsoft's Mike Nash announced the name this way: "Simply put, this is the seventh release of Windows, so therefore 'Windows 7' just makes sense." We're betting that Microsoft execs are hoping that number 7 will deliver on its promise of luck—they could sure use a win after Vista.
4. **Red Hat Linux: A Name Rich with Meaning**  
Cofounder Bob Young has given multidimensional origins of the red fedora name:
  1. It was named after red, which in Western history is "the symbol of liberation and challenge of authority."
  2. Cofounder Marc Ewing wore his grandfather's red Cornell lacrosse hat in college and became known for this tech expertise—those with problems went to see the guy in the red hat.
  3. Ewing named his software projects Red Hat 1, Red Hat 2 and so on. "So, when he started his Linux project, he just named it Red Hat Linux," Young said. All righty then!
5. **BlackBerry: Sweet Addictiveness**  
Canada's Research In Motion called on Lexicon Branding to help name its new wireless e-mail device in 2001. The consultancy pushed RIM founders away from the word "e-mail," which research shows can raise blood pressure. Instead, they looked for a name that would evoke joy and somehow give feelings of peace. After someone made the connection that the small buttons on the device resembled a bunch of seeds, Lexicon's team explored names like strawberry, melon and various vegetables before settling on blackberry—a word both pleasing and which evoked the black color of the device.
6. **Mac OS X and "The Big Cats": Catlike Sleekness and Style**  
Apple's popular Mac operating system X actually denotes the Roman numeral 10, since it is the OS's tenth release, following Mac OS 9. To the ire of Apple fanboys, many people do refer to it as letter 'X.' More interesting have been the "big cat" code names assigned to each succeeding X release that have stuck with Apple's marketing: Cheetah (10.0), Puma, Jaguar, Panther, Tiger and current kitty Leopard. Snow Leopard has been assigned for the 10.6 release, with rumors that Lynx and Cougar are in the works.
7. **Firefox: Second Time's a Charm**  
Choosing a name that evokes a product's essence and is available can be quite complicated, as the Mozilla folks found out. The early version of Mozilla's browser was called Firebird, but due to another open-source project with the same name, the Mozilla elders renamed their browser Firefox, which is another name for red panda. Why? "It's easy to remember. It sounds good. It's unique. We like it," they said. Best of all? Nobody else was using it.
8. **Wikipedia: Just What It Sounds**



Like According to Wikipedia, the name Wikipedia is a portmanteau of wiki (a technology for creating collaborative websites) and encyclopedia (you remember, those large books that, as kids, we ruthlessly plagiarized for school book reports). FYI: a portmanteau is a fancy way of saying that we're going to take two words, jam them together and (hopefully) create a new concept that people will love. So far, so good. In an illustration of the axiom "the more things change the more they stay the same": Today, kids and adults now ruthlessly plagiarize Wikipedia instead of encyclopedias.

9. Android: Secretive, But Still Not Exciting You'd think the story behind the naming of the Open Handset Alliance's new open-source platform for mobile devices, which includes the brand-new G1 loaded with Google's goodies, would be cool. But, uh, not so much. Back in 2005, Google quietly acquired a mysterious startup named Android Inc., which had been operating under "a cloak of secrecy" on "making software for mobile phones," reported Businessweek. The result of all Google's secrecy and Internet hype was the debut of T-Mobile's G1 on Oct. 22, 2008

10. Twitter: Connecting the Digital Flock 140 Characters at a Time When cofounder Biz Stone saw the application that Jack Dorsey created in 2006 he was reminded of the way birds communicate: "Short bursts of information...Everyone is chirping, having a good time." In response, Stone came up with "twtr," and the group eventually added some vowels. It's hard to think of a more evocative name in the tech world than twitter, but what began as what Stone described as "trivial" bursts of communication developed into a powerful means of networking, breaking news, and forum for the 44th U.S. president's campaign.

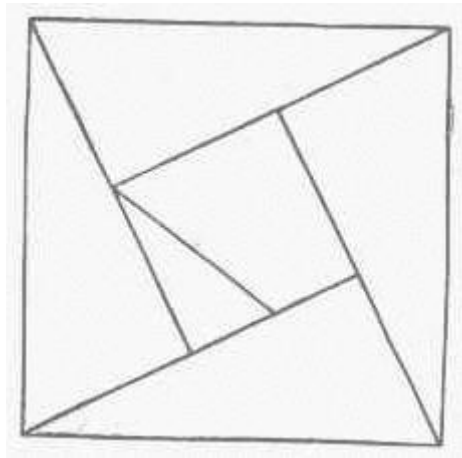
## **Puzzle Corner**

The clown after juggling with the five triangular pieces of cardboard to attract attention proceeds to cut one of them into two pieces.

He then lays the six pieces upon the top of the box and shows that they will fit together and form a perfect square.

The pieces represent five right-angled triangles, say one inch high by two inches on the base, so you can readily cut five similar pieces from paper and then guess how to cut one of them so that the six pieces will form a perfect square.

**Solution:**



## How to Reach QIS, Ongole, Andhra Pradesh, India.

Nearest Airports-  
Vijavada, Chennai, Bangalore,  
Hyderabad

Nearest Port - Chennai

Nearest Railway Station- Ongole

Nearest Bus Station- Ongole

- Ongole to Vijayavada-148 K.m
- Ongole to Guntur- 112 K.m
- Ongole to Hyderabad - 345 K.m
- Ongole to Vizag 500 K.m
- Ongole to Kurnool - 258K.m
- Ongole to Nellore- 128K.m
- Ongole- Tirupati- 281K.m
- Ongole to Chennai- 308 K.m
- Ongole to Bangalore- 510 K.m

## Address for Correspondence

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