

RajaRajeswari College of Engineering

Kumbalgodu, Mysore road, Bangalore-560074

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

TECHNISHAD



PRINCIPAL'S MESSAGE

I am very pleased to note that “TECHNISHAD” volume-1 issue-1 brought out during last session was appreciated very well. Heartily congratulations to the editorial team. It is a matter of great pleasure for me to note that the effort is continuing and you are bringing out the volume-2 issue-2 during this session. The name and fame of an Institute depends on the caliber and achievements of the students and faculty fraternities. The role of a teacher is to nurture the skills and talents of the students as a facilitator. This Newsletter is going to showcase the strength of the CSE Student.

Dr. Bhagyashekar M S

FROM HOD'S DESK

I take the privilege to welcome you all to the Dept. of Computer Science & Engineering at RajaRajeswari College of Engineering, Bangalore. The department seeks to combine excellence in education and research with survive to the industry. The Department Newsletter will definitely help to show-case the activities that are happening in the campus. It also helps in building up teamwork which is very much needed today in the world of competition. It provides a platform for exposing the merits and academic achievements of the faculty. This enhances the documentation culture of the institute. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the campus. I hope that this culture of releasing Newsletter continue for ever.

Prof. Rajesh K S

EDITOR'S NOTE

A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. This news letter is one such cherished work that had its roots in the persuasion. It would be a snapshot of the various activities and advancements for all associated with RRCE, Bangalore. Proper communication plays a vital role in institution's development. This news letter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. In this issue we have many such information like paper publications, sketching and photographs from staffs and students. I hope further issues be more informative and interesting.

Prof. Rajesh K S , Mr. Sreenivasa B R

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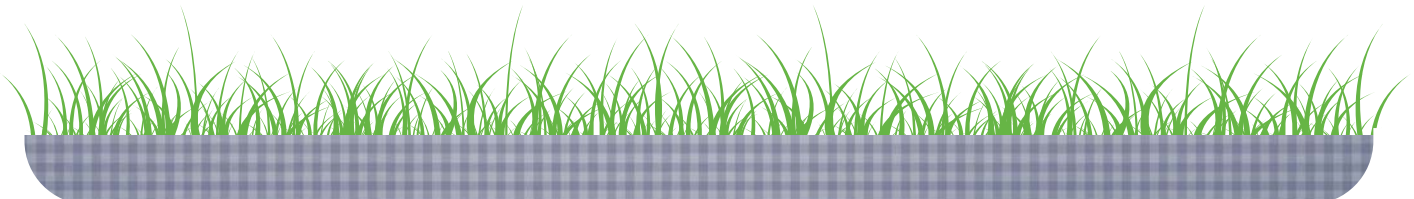
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WHATS INTERESTING

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EDITORIAL BOARD

- 1. Prof. Rajesh K S**
Professor & Head
Dept. of CSE,RRCE.
- 2. Mr. Sreenivasa B R**
Assistant Professor,
Dept. of CSE,RRCE
- 3. Ms.Harini and Mr.Sijjas**
8th Sem,
Dept. of CSE,RRCE



DEPARTMENTAL ACTIVITIES

- One day Seminar on 'Cloud Computing_ An Introduction' by Mr. Raghavendra B.A, First American India, Bangalore on 9th March, 2013
- CSI Student chapter was inaugurated with a formal function on 1st September, 2012. Mr. Vishwas Bondade, Chairman-BC graced the occasion as Chief Guest.
- One day Seminar on 'Cellular Wireless Communication' by Dr. C.B. Akki, Senior Consultant, Wipro Technologies, Bangalore on 1st September 2012.
- Three day Faculty development program on 'Operating Systems and Linux Utilities' during 30th July to 1st August 2012, organized by Department of CSE, RRCE.

FACULTY PUBLICATIONS

- Rajesh K S, Dr. Balakrishna.R , "Efficient power utilization in Manet" International Journal of Advanced and Innovative Research (IJAIR), ISSN: 2278-7844, Volume: 01, Issue: 03, Aug-2012, Pages: 104-113.
- Externalizing Tacit Information for a Knowledge Management system- Narendra.U.P, Pradeep.B.S, Inter National Conference on Artificial Intelligence & Soft Computing (Proceedings- AISC 2013, Pages: 5-7) organized by IRNet, March 3rd, 2013, Singapore.
- Management and Architecture for Product Bundle Life Cycle in Retail Banking- Shreyas Suresh Rao, Pradeep B.S, IJERD, ISSN (online & Print): 2278-067X/800X, Volume 6, Issue 4, Pages: 15-19, March 2013. <http://www.ijerd.com/paper/vol6-issue4/C06041519.pdf>
- Rajesh K S, Dr. Balakrishna.R, "Design and Implementation of AMRP for Multi hop Wireless Mobile ad hoc Networks" Int. J. Advanced Networking and Applications (IJANA) ISSN: 0975-0290 Volume: 04 Issue: 04 Pages: 1662-1666 (2013) .



PROFESSIONAL SOCIETY ACTIVITIES

ONE DAY CSI TECHNICAL ACTIVITY

Computer Science and Engineering department organized Inaugural function of Professional Students of “Computer Society of India” (CSI) on **1st September, 2012**.

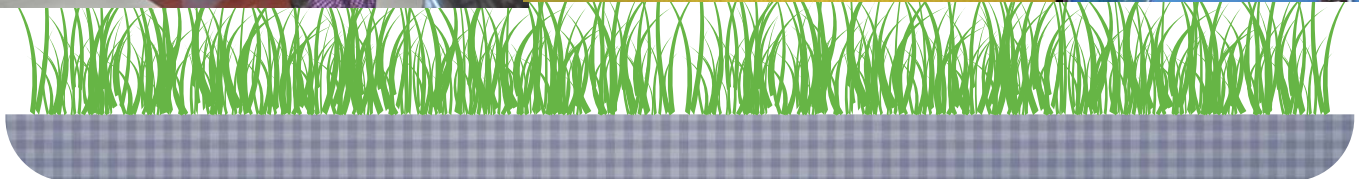
This function was aimed at providing a common platform for students, researchers and academicians to share their ideas on related fields and to explore & ignite the young engineering minds to inspire them towards excellence in Computer Science and Technology.

Inaugural function started at 9.30am. This auspicious occasion was graced by the Chief Guest- Mr. Vishwas Bondade, Chairman-BC, Technical Speaker of the Function Dr. C.B Akki, Sr. Consultant, Wipro, Dr. M.S. Bhagyashekar, Principal & as president of the function, Vice Principal Prof. M. Prabhakar and Organizing Secretary Dr. B.S. Pradeep.

Guests inaugurated the function by lighting the lamp and all the dignitaries addressed the gathering about the glimpse of CSI.

After Inaugural function, Dr. C.B Akki delivered a technical talk on “**Cellular Wireless Technologies - an Overview**”. The technical events like Spot Programming, Quiz and Theme building conducted for all computer Science students and winners were awarded the prizes.

CSI Students chapter inaugural function was opened for all CSE, ISE and MCA departments & served for more than 400 students, faculty members and research scholars.

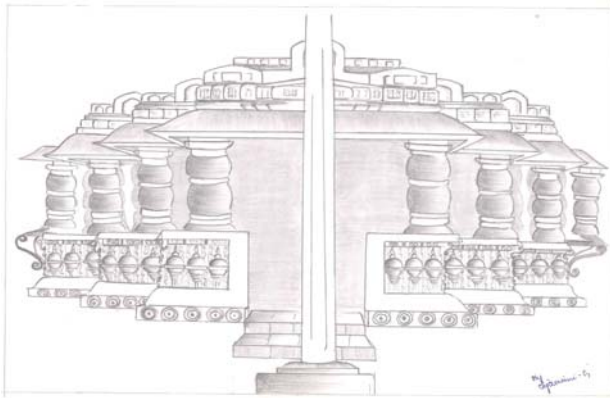


STUDENT ACTIVITIES

- Puneeth Raj has qualified in GATE-2013 examination with the rank 12498 out of 224160 candidates.
- Hemanth S.A, Sharath. S participated in Kodez & Secured 3rd prize in the Oxy-Tech'13 National Level Techno Cultural Fest held at Oxford College of Engineering, Bangalore during 18-19 March 2013.
- Mohd. Siddiq, Harini, Mohd. Sijas, Revathi completed long internship program on web designing at Techsapiunt Solutions, Bangalore during Nov 2012 to Feb 2013.
- Kante Suryachandra, Zaid Alam Khan participated in Intel's Intelligent System workshop conducted at Exebit 2013, IIT Madras.
- Kante Suryachandra, Zaid Alam Khan participated in Android workshop conducted at Exebit 2013, IIT Madras.
- Poornashree M S Completed Internship at HP India sales pvt ltd during 2nd Jan, 2013 to 29th Jan, 2013.
- Priyanka S Completed Internship at HP India sales pvt ltd during 2nd Jan, 2013 to 29th Jan, 2013.
- Karan Kaul participated in 100/200 mtrs Relay at VTU's 15th Inter Collegiate Athletic Meet held at SIT,Tumkur during 1st – 4th November, 2012.
- Raghavendra N participated in High jump/Relay at VTU's 15th Inter Collegiate Athletic Meet held at SIT,Tumkur during 1st – 4th November, 2012.
- Raghuram joshi participated in State level Technical Contest, IDEA held at KSIT, Bangalore on 15th September, 2012.
- Abhiram and Supreeth of final year have Co-Directed a Movie 'Dishkyaaav'.



PHOTOGRAPHY



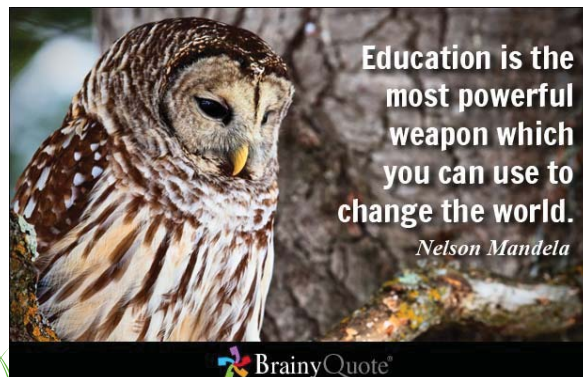
Ms.Tejaswini G VIII Sem



Ms.Tejaswini G,VIII Sem



Gausia Nikath, VIII Sem



Puzzles

1. THE FROG

A frog is at the bottom of a 30 meter well. Each day he summons enough energy for one 3 meter leap up the well. Exhausted, he then hangs there for the rest of the day. At night, while he is asleep, he slips 2 meters backwards. How many days does it take him to escape from the well?

Note: Assume after the first leap that his hind legs are exactly three meters up the well. His hind legs must clear the well for him to escape.

Solution: 28

Each day he makes it up another meter, and then on the twenty seventh day he can leap three meters and climb out.

2. THE BOXES

There are three boxes. One is labeled "APPLES" another is labeled "ORANGES". The last one is labeled "APPLES AND ORANGES". You know that each is labeled incorrectly. You may ask me to pick one fruit from one box which you choose. How can you label the boxes correctly?

Solution:

Pick from the one labeled "Apples & Oranges". This box must contain either only apples or only oranges.

3. THE FATHER

A mother is 21 years older than her child. In exactly 6 years from now, the mother will be exactly 5 times as old as the child. Where's the father?

Solution: 28

Each day he makes it up another meter, and then on the twenty seventh day he can leap three meters and climb out.

4. The Waiter

Three men in a cafe order a meal the total cost of which is \$15. They each contribute \$5. The waiter takes the money to the chef who recognizes the three as friends and asks the waiter to return \$5 to the men. The waiter is not only poor at mathematics but dishonest and instead of going to the trouble of splitting the \$5 between the three he simply gives them \$1 each and pockets the remaining \$2 for himself. Now, each of the men effectively paid \$4, the total paid is therefore \$12. Add the \$2 in the waiter's pocket and this comes to \$14.....where has the other \$1 gone from the original \$15?

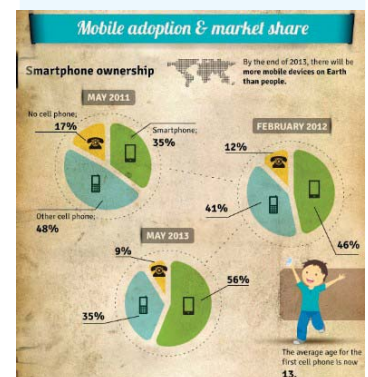
Solution: The payments should equal the receipts. It does not make sense to add what was paid by the men (\$12) to what was received from that payment by the waiter (\$2). Although the initial bill was \$15 dollars, one of the five dollar notes gets changed into five ones. The total the three men ultimately paid is \$12, as they get three ones back. So from the \$12 the men paid, the owner receives \$10 and the waiter receives the \$2 difference. $\$15 - \$3 = \$10 + \2 .

5. Computer Components Crossword

U	R	E	T	T	O	L	P	M	I	C	M	Y
M	R	E	K	A	E	P	S	H	A	S	S	H
R	O	T	C	E	J	O	R	P	K	R	E	H
P	W	U	D	A	T	G	Y	S	D	A	A	M
R	Y	M	S	Q	G	Y	I	R	D	R	I	L
I	Z	O	Z	E	A	D	A	P	D	C	R	L
N	E	D	D	X	Y	O	H	D	R	N	E	A
T	U	E	I	P	B	O	R	O	E	S	N	B
E	L	M	P	Y	N	I	P	E	F	Y	N	K
R	U	O	E	E	V	H	R	C	X	S	A	C
R	L	K	S	E	O	C	P	H	F	T	C	A
F	N	O	S	N	S	J	Y	W	B	E	S	R
K	N	A	E	R	O	T	I	N	O	M	C	T

Facts about technology

1. The Atari Portfolio was released in 1989 and was the world's first palmtop computer.
2. How powerful were the computers that took us to moon? Turns out that the Apollo 11 computers had less processing power than a modern cell phone.
3. Google got its name from the mathematical figure googol, which denotes the number 'one followed by a hundred zeros'.
4. The Internet is the third-most used advertising medium in the world, closely catching up with traditional local newspapers and Yellow Pages.
5. Transmission Control Protocol/Internet Protocol (TCP/IP) was designed in 1973.
6. 24 hours of video viewing is uploaded every minute on YouTube.
7. Google handles about 1 billion search queries per day.
8. 220 million tons of old computers and other technological hardware are trashed in the United States each year.
9. Only 11% of PCs are recycled; the percentage for televisions and mainframes recycled is lower.
10. The United States generates more e-waste than any other nation.



THE TECHNOLOGY TRENDS

Smart watches will become 'smarter'

Rather than having to pull out your Smartphone or tablet for frequent email, text and social media updates, you'll glance at your watch. 2014 is the year to keep an eye out for the Google watch. Rumor has it the device will integrate with Google Now, which aims to seamlessly provide relevant information when and where you want it (and before you'd asked for it). We'll see smart watches become even smarter, learning what news and updates are important to us, when we want to receive them, and responding more accurately to voice controls. For smart watches to succeed, they'll need to offer us something that our smart phone can't; whether this means more intuitive notifications, or the ability to learn from our daily activities and behaviors (for instance, heart rate monitoring), it will be interesting to see.



Protect Yourself When Using Public Wi-Fi

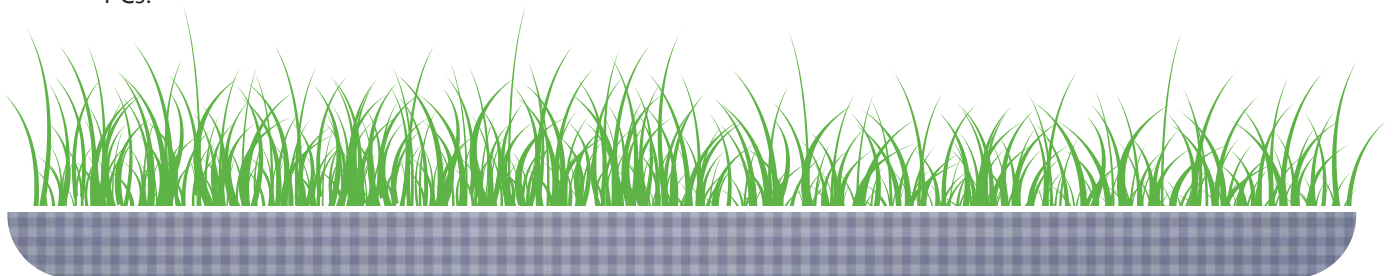
- When using a Wi-Fi hotspot, only log in or send personal information to websites that you know are fully encrypted.
- Don't stay permanently signed in to accounts. When you've finished using an account, log out.
- Do not use the same password on different websites. It could give someone who gains access to one of your accounts access to many of your accounts.
- Many web browsers alert users who try to visit fraudulent websites or download malicious programs. Pay attention to these warnings, and keep your browser and security software up-to-date.
- If you regularly access online accounts through Wi-Fi hotspots, use a virtual private network (VPN). VPNs encrypt traffic between your computer and the internet, even on unsecured networks. You can obtain a personal VPN account from a VPN service provider. In addition, some organizations create VPNs to provide secure, remote access for their employees.



Apps are just the beginning

A bevy of statistics triumphantly proclaim the arrival of the mobile era—from Internet traffic statistics to device sales to even broad measures of how people spend their time:

- In 2012, both Apple and Google Play surpassed 25 billion app downloads.
- As of September 2012, Square is processing \$8 billion on an annualized basis, up from \$1 billion a year ago and 35 million Americans have completed purchases using Square.
- A survey of Web-enabled phone owners found that 80% of the participants multitasked on their mobile device while watching TV.
- As of December 2012, 13% of all Internet traffic originated from mobile devices.
- In the second quarter for 2013, the total global install base of smart phones and tablets is predicted to exceed those of PCs.



Alumni's Home

FACTS AND FIGURES

- The Internet is the fastest-growing tool of communication ever. It took radio broadcasters 38 years to reach an audience of 50 million, television 13 years, and the Internet just 4 years.
- Only 11% of PCs are recycled; the percentage for televisions and mainframes recycled is lower.
- 34% of cell internet users go online mostly using their phones, and not using some other device such as a desktop or laptop computer.
- The Google Driverless car named the 'Stanley' won the DARPA Grand challenge and the \$2 million in prize money from the US Department of Defense in 2005.

College days will never come back. I realized it after I graduated from RRCE. A very fruitful journey of four years clubbed with academics and extra curricular activities. Department was friendly and faculty members were very approachable in their teaching. Thanks to RRCE for all the support.

Hemanth S A, MS ,Australia.

RRCE educated me both Technically and as a person. We have learnt great values from our teachers in various aspects. They nurtured and enlightened us with great principles. A heartfelt Thank You for all my teachers.

Harini R, Developer, Thoughtfocus, Bangalore

Even though final examinations will soon come to an end, our life-long learning will last forever. Being a student of RRCE CSE, has been an enduring investment, one that commenced before admission, was assembled during my time at RRCE, and will flourish after graduation. I have learned and grown beyond my expectations. I am forever grateful!

Sijjas, Entrepreneur

